

## **Historic, Archive Document**

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62.11

EVERYTHING FOR THE GARDEN, FIELD AND LAWN

Special Price List

Season 1917



SEEDS

Seed Marketing Investigations.

IN BULK

from THE PIONEER-HAINES SEED COMPANY

1204 Fifteenth Street  
DENVER, COLORADO

W. H. J. Grand

P. O. Chief, Office Seed Bureau

Street No. Washington

State D. C.

R. F. D.

Box

POSTMASTER: If for any reason this Catalog cannot be delivered to party to whom addressed, please advise us, and postage will be sent for its return THE PIONEER-HAINES SEED COMPANY

# ORDER EARLY

We sell for cash only. Please remit by Draft or Money Order. When check on local bank is sent, please include "with exchange." Small amounts may be sent in good clean postage stamps.

We make no charge for packing, drayage or sacks, except seamless sacks at 25c each.

Our Seeds are all tested for germination and are as good as any to be had in the country, and much better than some.

The Pioneer-Haines Seed Company gives no warranty, expressed or implied, as to purity, description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

## Goods by Parcel Post

We pay postage or expressage on all Vegetable and Flower Seeds, except Beans, Corn and Peas by the pound, and Onion Sets. We do not pay transportation where special prices are named for quantity lots.

There are many articles in this price list, if wanted by mail, customers are to remit extra for postage. Thus we publish the official schedule of

## Domestic Parcel Post Rates

In Local, First and Second Zones, 50 Pounds Is the Maximum Limit

Weight Pounds	*Denver Local Rate	1st Zone 50 Miles Rate	2d Zone 50 to 150 Miles Rate
1	\$0.05	\$0.05	\$0.05
2	.06	.06	.06
3	.06	.07	.07
4	.07	.08	.08
5	.07	.09	.09
6	.08	.10	.10
7	.08	.11	.11
8	.09	.12	.12
9	.09	.13	.13
10	.10	.14	.14
11	.10	.15	.15
12	.11	.16	.16
13	.11	.17	.17
14	.12	.18	.18
15	.12	.19	.19
16	.13	.20	.20
17	.13	.21	.21
18	.14	.22	.22
19	.14	.23	.23
20	.15	.24	.24
21	.15	.25	.25
22	.16	.26	.26
23	.16	.27	.27
24	.17	.28	.28
25	.17	.29	.29
26	.18	.30	.30
27	.18	.31	.31
28	.19	.32	.32
29	.19	.33	.33
30	.20	.34	.34
31	.20	.35	.35
32	.21	.36	.36
33	.21	.37	.37
34	.22	.38	.38
35	.22	.39	.39
36	.23	.40	.40
37	.23	.41	.41
38	.24	.42	.42
39	.24	.43	.43
40	.25	.44	.44
41	.25	.45	.45
42	.26	.46	.46
43	.26	.47	.47
44	.27	.48	.48
45	.27	.49	.49
46	.28	.50	.50
47	.28	.51	.51
48	.29	.52	.52
49	.29	.53	.53
50	.30	.54	.54

Third Zone, first pound, 6c; each additional pound, 2c.

Fourth Zone, first pound, 7c; each additional pound, 4c.

Fifth Zone, first pound, 8c; each additional pound, 6c.

Limit weight, 20 pounds.

By ascertaining from your postmaster your Zone from Denver, you can readily compute the amount of postage.

Parcels weighing 8 ounces or less, the rate of postage to all Zones is 1c for each 2 ounces or fraction. Over 8 ounces, the Zone rates apply.

Fractions of additional pounds are as if a full pound.

\* Local rates include all of Denver, with rural deliveries from Stockyards, Fortieth Street Station, Montclair, South Denver, Englewood and Highlands.

Packages must not be greater in size than 84 inches in length and girth combined.

Insurance against loss, rifling and irreparable damage may be effected upon payment of a fee of 3c for value not exceeding \$5; 5c for value not exceeding \$25; 10c for value not exceeding \$50.



## To Our Friends

ON account of the great advance in cost of paper and other materials incident to the printing of a Seed Catalogue, we have decided to cut down on the size this season and leave out many lengthy descriptions of vegetables. We feel sure that most of our customers will have no trouble in making their selections from the names given, as the names of most varieties are familiar and will be recognized as old friends.

The saving thus made in the cost of the book enables us to give better values than otherwise. Note the low prices quoted, some of which are much less than the same seeds can be purchased for in the open market today. We are able to do this by contracting for our supply two and sometimes three years ahead.

Our seeds will be found to be reliable and up to the usual high standard of quality this house has always taken pride in maintaining.

If you are a Market Gardener and grow vegetables in quantity, it will pay you to send us a list of your requirements and we will save you money.

If you plant only a few seeds in your back yard, you will want them good. Our 5-cent packages are put up from the same bin or drawer as the pound and 10-pound lots are taken from; so, large order or small order, we want it and will fill your order carefully and conscientiously.

THE PIONEER-HAINES  
SEED COMPANY

# HOT BEDS

Good hot-beds may be made by digging down about three feet and filling the excavation with rather fresh horse manure in which there is a good deal of bedding straw. About 18 inches of this manure is sufficient and then fill in on top of it with about one foot of good soil mixed with sand. This manure pile will be compressed, and will soon begin to ferment, and will then keep the top soil warm and cause the seed to sprout quickly, and the young plant will grow very fast. It is best to enclose the hot-bed with boards, making what is called a cold-frame. This is done by running the length of the bed east and west and by making the north side about two feet high and the south side not more than six inches. The ends also should be enclosed and a sash of glass should be hung on hinges at the highest end. This sash should be raised for ventilation during most of the day, since the bed gets very warm and the atmosphere very close if kept too tightly closed for too long a time. As the plants grow, the sash should be left up longer each day to harden them and prepare them for final transplanting.

The hot-bed should have a very sunny location near a hedge or some building, well protected from the prevailing wind.

The object of the cold-frame is to make an artificial heat, and to protect the plants from frost during winter. Seed may be started any time during the winter, and plants can be ready to set out just as soon as danger of frost is over.

As the sun gets too hot it is necessary to shade the bed, and the glass should be whitewashed or covered with sacking if necessary. Too much heat is fatal to the tender young plants.



## MUSHROOM CULTURE

May be grown in a great variety of situations—a dark room, cellar, stable or elsewhere. Any place in which an even temperature of about 50 or 60 degrees can be kept is suitable. For materials for the bed, use fresh horse manure, free from straw or chips, and good loamy soil. Some growers use the manure unmixed with loam, after first having well fermented it by alternately piling up and mixing for a few weeks; but it is undoubtedly better not to allow the manure to heat much before forming the bed. Use one-fourth to one-third loam, the rest manure. Mix very thoroughly and upon a dry, firm bottom; make the bed of this mixture about four feet wide and of any desired length. Build it up evenly, pressing it down very firmly, and leave it about a foot high. It will shortly begin to heat. Use a thermometer to thrust into bed, and note the temperature. When the heat has partially subsided, leaving a temperature of 70 to 80 degrees, put in the spawn. Pieces from the size of walnuts to that of eggs are placed in the bed about a foot apart, deep enough to cover them well, and the manure pressed down. Let it remain thus ten or twelve days; then cover with two inches of fresh loam, and make this moderately firm.

The bed is finished by covering all with 4 or 5 inches of straw or other litter. Watering is not necessary unless the surface of the bed gets very dry; in this event moisten freely with water at a temperature of about 80 degrees. In gathering the crop do not cut, but twist them off carefully, filling up the holes with loam to keep insects from the roots. In six or eight weeks from spawning the beds mushrooms should appear.

LAMBERT'S PURE CULTURE SPAWN is far superior to the old-style varieties and much better results can be obtained from its use. Bricks weigh from 18 to 20 ounces. A brick will spawn ten square feet of bed. Prices: Per brick, 25c; 10 bricks, \$2.00; 25 bricks, \$4.00; postage extra.

Book, "MUSHROOM CULTURE," 32 pp.; price, 35c, postpaid.



# SPECIAL BULK PRICE LIST OF Select Vegetable Seeds

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**Seeds in Packets**—All Beans Are 10c per Well-Filled Packet.  
Peas Are 5c per Packet

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**Postage.**—When Beans, Peas and Corn are wanted by mail, add 5c per pound. We pay postage on all packets,  $\frac{1}{4}$ -lb. and  $\frac{1}{2}$ -lbs. of Beans, Corn and Peas.

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## ARTICHOKE

Sow in April in rich soil, transplant the following spring to permanent beds, in rows 3 feet apart and 2 feet between the plants. Only a partial crop can be gathered the first season, but as it is a perennial the beds will remain in bearing for years. Protect in winter by a covering of leaves or coarse manure.

**Large Green Globe.** Pkt., 5c; oz., 30c;  $\frac{1}{4}$ -lb., 80c.

**Jerusalem.** Tubers in season, 10c per lb.

Write for special prices on quantities.

## ASPARAGUS

To grow plants from seeds, sow in drills about 1 inch deep in rows 1 foot apart. Keep the soil mellow and free from weeds; during the summer thin out and the following spring plants may be set in rows 3 feet apart, 12 to 15 inches apart in the row, 4 inches below the surface. Annually, after cutting, the bed should be given a liberal top dressing of manure, which should be thoroughly cultivated into the soil. As soon as the tops turn yellow in the fall they should be cut and removed from the beds, and just before winter cover the beds with 4 inches of coarse straw manure or leaves, which should be removed in the spring. A bed 6 x 40 feet is ample for an ordinary family, and when well established is good for twenty years. One ounce of seed will sow 60 feet of drill. About 400 plants to the ounce.

**Early Giant Argenteuil.** Pkt., 5c; oz., 15c;  $\frac{1}{4}$ -lb., 30c; lb., \$1.00.

**Conover's Colossal.** Pkt., 5c; oz., 10c;  $\frac{1}{4}$ -lb., 25c; lb., 60c.

**Palmetto.** Pkt., 5c; oz., 10c;  $\frac{1}{4}$ -lb., 25c; lb., 60c.

**Columbian Mammoth White.** Pkt., 5c; oz., 10c;  $\frac{1}{4}$ -lb., 25c; lb., 75c.

## BROCCOLI

Nearly allied to the Cauliflower, but more hardy. The seed should be sown in the early part of May, and transplanted in June. It succeeds best in a moist and rather cool atmosphere.

**Early Large White.** Very early; heads solid, firm and of most delicious flavor. Pkt., 5c; oz., 35c;  $\frac{1}{4}$ -lb., \$1.

## BRUSSELS SPROUTS

This is one of the best vegetables for winter use, producing from the axils of the leaves an abundance of sprouts resembling small cabbages; of excellent, mild flavor. One ounce produces 1,500 plants.

**Tall French.** Very fine variety and very tender. Pkt., 5c; oz., 15c;  $\frac{1}{4}$ -lb., 45c; lb., \$1.50.

**Improved Dwarf.** A variety producing compact sprouts of excellent quality. Pkt., 5c; oz., 15c;  $\frac{1}{4}$ -lb., 45c; lb., \$1.50.

## BEANS — DWARF

Earliest varieties ready for table in 40 days. One pound to 50 feet of drill; 80 lbs. to the acre.

Beans are extremely sensitive to both cold and wet, and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills from 2 to 3 feet apart and leaving the plants 2 to 6 inches apart in the row. Up to the time of blossoming they should have frequent shallow cultivation. Never hoe when the vines are wet, as the pods would become discolored.

## Green Podded Varieties — All Beans Are Short Crop

	Lb.	10 Lbs.
Stringless Green Pod, early.....	\$0.35	\$3.00
Bountiful, stringless .....	.35	3.00
Early Yellow Six Weeks, flat pod.....	.30	2.50
Improved Red Valentine, round pod.....	.30	2.50
Refugee—1,000 to 1, early.....	.25	2.25
Shippers' Favorite (Longfellow).....	.30	2.50
Dwarf Horticultural, or Bush Cranberry.....	.30	2.50
Early Mohawk, six weeks.....	.30	2.50
California Cream Butter, very large.....	.25	2.25
Broad Windsor, or Horse Bean.....	.25	2.00
Burpee's Bush Lima, large seed.....	.25	2.00
Henderson's Bush Lima, small seed.....	.25	2.00

## Yellow Podded Varieties — Supply Limited

Improved Golden Wax, flat pod.....	\$0.35	\$3.00
Wardwell's Kidney Wax, long.....	.35	3.00
Davis' White Kidney Wax, early.....	.35	3.00
German Dwarf Black Wax.....	.30	2.50
Refugee Wax, early.....	.30	2.50
Black Wax Pencil Pod, best black (shippers').....	.35	3.00
Flageolet Wax, purplish .....	.30	2.50
Valentine Wax .....	.30	2.50

## BEANS — POLE

Kentucky Wonder (Old Homestead).....	\$0.25	\$2.25
Lazy Wife, stringless.....	.35	3.25
White Creaseback, stringless.....	.25	2.25
Dutch Case Knife, long, green.....	.25	2.25
Henderson's Pole Lima.....	.25	2.25
Golden Cluster Wax, yellow pod.....	.25	2.25
Large White Lima, large, late.....	.25	2.25
Tall Horticultural, Speckled Cranberry.....	.25	2.25

Any above Beans,  $\frac{1}{4}$ -lb., 15c;  $\frac{1}{2}$ -lb., 20c.

## PEAS

Northern grown. One pound to 50 feet of drill; 90 to 120 lbs. per acre.

For first early peas sow in a light, rich soil, as early in March or April as the ground can be worked; for later varieties, sow in April or May. As soon as sufficient growth has been made draw the earth about the vines. The wrinkled varieties are not so hardy as the smooth sorts and should be planted later, owing to their liability to rot in the ground, but are much superior in flavor to the smooth peas. Dwarf varieties sow in rows one foot apart, and taller sorts from 2 to 3 feet apart. For succession of dwarf varieties plant Nott's Excelsior, Everbearing Stratagem.

	Lb.	10 Lbs.
Alaska, very early.....	\$0.20	\$1.15
Tom Thumb, early dwarf.....	.20	1.25
Richard Sedden, very dwarf and sweet.....	.25	2.00
Little Gem, early wrinkled.....	.20	1.50
The Sherwood, 20-inch, early.....	.25	2.00
Gradus, early, large.....	.20	1.75
Laxtonian, large dwarf.....	.25	2.00
American Wonder, dwarf.....	.20	1.15
Nott's Excelsior, dwarf.....	.20	1.15
Premium Gem, medium.....	.20	1.25
Dwarf Telephone, large.....	.25	1.75
Stratagem, tall, late.....	.20	1.15
Everbearing, tall, late.....	.20	1.15
Yorkshire Hero, late.....	.20	1.15
Alderman, large, late.....	.20	1.40
Telephone, large, late.....	.20	1.25
Champion of England.....	.20	1.25
Dwarf Gray Sugar.....	.25	1.75
White Marrowfat, late.....	.15	.85

And above Peas,  $\frac{1}{4}$ -lb., 10c;  $\frac{1}{2}$ -lb., 15c.

When more than 10 lbs. of Peas are wanted, write for price. For Field Peas, see page 33.



**Seeds in Packets — All Varieties on This Page at 5c per Packet,**  
Except Snowball and Erfurt Cauliflower

### SWEET CORN

Postage on Corn is 5c per lb. extra, except on  $\frac{1}{4}$ -lb. and  $\frac{1}{2}$ -lb. lots.

One lb. to 200 hills; 10 lbs. to the acre. In an average season from planting to first fair picking is from 55 to 85 days, according to variety.

Sweet Corn, being liable to rot in cold, wet ground, should not be planted before May, or until the ground has become warm; practically nothing is gained in time, and much is lost in quality, by planting too soon. Plant in rich ground in hills 3 feet apart each way, covering about half an inch, and thin out to three plants to a hill. The extra early varieties can be planted closer. Give frequent and thorough but shallow cultivation until tassels appear.

	Lb.	10 Lbs.
Peep o' Day, very early.....	\$0.20	\$1.25
Golden Bantam, true stock.....	.35	3.00
Howling Mob, early.....	.20	1.15
Country Gentleman, medium.....	.40	3.50
Stowell's Evergreen, select.....	.35	3.00
Early Evergreen, medium.....	.20	1.00
Mammoth White Cory, early.....	.20	1.00
Early Minnesota .....	.20	1.00
Early White Cob Cory.....	.20	1.25
Perry's Hybrid, medium.....	.15	.90
Black Mexican, very sweet.....	.15	.90
Adams' Extra Early, smooth.....	.15	.80

### BORECOLE, OR KALE

	Oz.	$\frac{1}{4}$ -Lb.	Lb.
Dwarf Green German.....	\$0.10	\$0.35	\$1.00
Tall Green Curled, or Scotch.....	.10	.35	1.00
Sea Kale (Crambe Maritima), pkg., 10c; oz., 30c.			



**Beet — Detroit Dark Red**

### BEETS — TABLE VARIETIES

One ounce to fifty feet of drill; 6 to 8 pounds to acre in drills. The early turnip varieties are ready for table in from 50 to 60 days from sowing seed.

The best results are obtained on a deep, rich, sandy loam, in freshly prepared soil, which should be pressed firmly over the seed.

Sow in drills 18 inches apart, and thin to 3 inches in the row. For winter use the turnip varieties may be sown in June, and the beets may be kept by storing in a cellar and covered with sandy soil to prevent wilting.

	Oz.	¼-Lb.	Lb.
Extra Early Egyptian, dark.....	\$0.10	\$0.25	\$0.75
Eclipse, early .....	.10	.25	.75
Early Flat Bassano.....	.10	.25	.75
Crimson Globe .....	.10	.25	.75
Early Blood Turnip, improved.....	.10	.25	.75
Detroit Dark Red, turnip shape.....	.10	.25	.75
Edmunds Early Blood Turnip.....	.10	.25	.75
Half Long Blood.....	.10	.20	.60
Long Blood Red.....	.10	.20	.50
Columbia or Treviso.....	.10	.25	.75
Swiss Chard, or Silver Sea Kale.....	.10	.25	..
Swiss Chard Lucullus, new.....	.10	.25	..

### BEETS FOR STOCK AND SUGAR

One ounce will sow 50 feet of drill; 6 to 8 pounds per acre. 140 to 150 days are required from sowing to maturity.

Mangels grow to a larger size and will produce a greater bulk of roots per acre than sugar beets, but the latter are richer in quality and of superior feeding value. Sow in April to June, in rows 18 inches to 2 feet apart, and thin to 8 inches in the rows.

	Oz.	¼-Lb.	Lb.
Giant Half-Sugar Mangel.....	\$0.10	\$0.15	\$0.50
Golden Tankard Mangel, yellow.....	.10	.15	.50
Giant Long Red Mangel, red.....	.10	.15	.50
Yellow Ovoid Mangel.....	.10	.15	.50
Yellow Globe Mangel.....	.10	.15	.50
Danish Sludstrup, white.....	.10	.15	.50
Klein Wanzleben Sugar (Elite).....	.10	.15	.50
Red Top Sugar.....	.10	.15	.50
Lane's Imperial Sugar.....	.10	.15	.50

Five to 25 lbs., any one variety, not postpaid, at 40c per lb. Larger lots on application.



Cauliflower — Danish Giant

### CAULIFLOWER

All our Danish seed is Growers' First Quality Sifted Seed. One ounce to 1,500 plants. Ready for table in 160 to 175 days from seed.



These need a deep, rich, moist soil, and require the same treatment as cabbages. For early summer varieties seed should be sown in hotbed early in March; transplant when weather is warm. For late or autumn varieties, sow in March or April, transplant in June; hoe often.

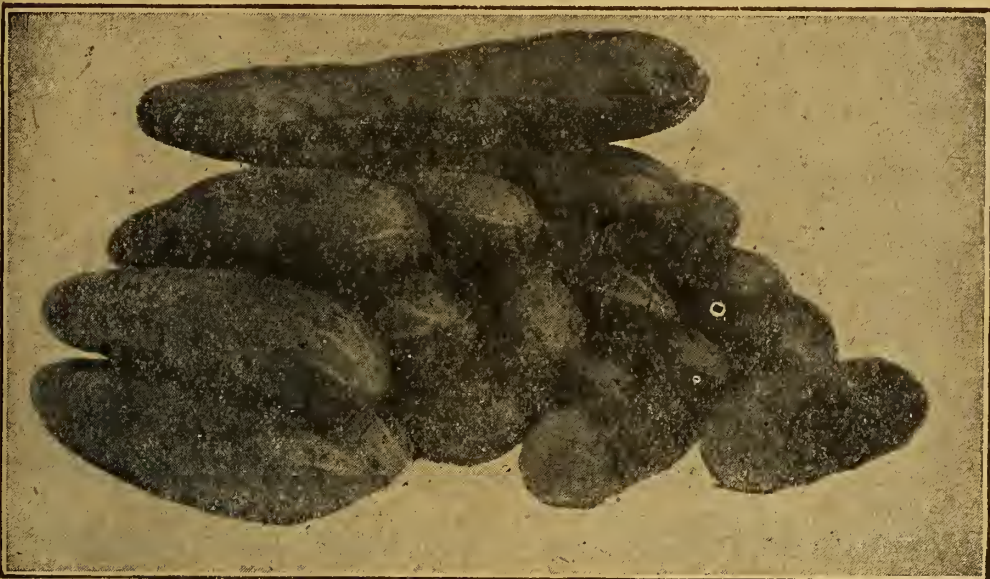
	Pkt.	¼-Oz.	Oz.
Extra Early Danish Snowball.....	\$0.15	\$0.60	\$2.25
Early Paris .....	.05	.15	.50
Danish Giant or "Dry Weather".....	.15	.70	2.50
Autumn Giant .....	.05	.25	.75
Extra Early Dwarf Erfurt.....	.15	.60	2.25

We grow good Cauliflower Plants and have them ready in April. See prices on page 25.

### CUCUMBER

One oz. to 50 hills; 2 to 3 lbs. to the acre. Earliest varieties ready for table in 50 to 55 days from seed. Main crop in 65 to 75 days.

As soon as the weather becomes settled and warm, plant in hills 4 to 6 feet apart each way, with 8 to 10 seeds in a hill; cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects leave 3 or 4 plants to a hill. For pickles, plant from first of June to first of August. The fruit should be gathered when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.



	Oz.	¼-Lb.	Lb.
Klondike, white core.....	\$0.10	\$0.25	\$0.70
Davis Perfect, white core.....	.10	.25	.70
Improved White Spine.....	.10	.25	.70
Improved Long Green.....	.10	.25	.70
Early Cluster, small.....	.10	.20	.60
Cool and Crisp.....	.10	.25	.70
Fordhook Famous .....	.10	.30	.80
Snow's Perfection Pickle.....	.10	.25	.80
Chicago, or Westerfield Pickling.....	.10	.25	.80
Boston Pickling .....	.10	.25	.80
Japanese Climbing .....	.10	.35	1.00
West India Gherkin (bur).....	.15	.45	1.30
Lemon Cucumber, late.....	.20	.60	1.75
English Frame—Telegraph, in original pkts., 50c.			

### CABBAGES

Ready for table in from 100 to 160 days from seed, according to varieties. One oz. to 2,500 plants; 4 ozs. to transplant for an acre.



Seeds in Packets—All Varieties on This Page at 5c Each.

For early summer use sow in hotbed in February or March. Before transplanting to the open ground they should be hardened off by exposing them gradually to the night air. For winter use sow in open ground in May or June, taking care in either case not to let the plants stand too closely, as this makes them "spindling." When 5 or 6 inches high, transplant in rows 2 feet apart one way, and 12 to 18 inches the other, according to variety, burying to the first leaf, whatever the stem length. Hoe frequently, drawing the earth up about the plants until they begin to head.



Cabbage — Copenhagen Market

	Oz.	¼-Lb.	Lb.
Early Spring .....	\$0.15	\$0.50	\$1.50
Extra Early Express.....	.15	.50	1.50
Early Jersey Wakefield, select.....	.25	.70	2.00
Early Winnigstadt, select stock.....	.15	.50	1.50
All Head Early.....	.15	.50	1.50
Early Dwarf Flat Dutch.....	.15	.50	1.50
Early Summer .....	.15	.50	1.50
All Seasons, medium.....	.15	.50	1.50
Surehead, medium .....	.15	.50	1.50
Copenhagen Market, early.....	.35	1.00	3.00
Glory of Enkhuizen, medium.....	.25	.75	2.50
Danish Ballhead, long stem.....	.25	.75	2.50
Danish Roundhead, short stem.....	.25	.75	2.50
Danish Summer Ballhead.....	.25	.75	2.50
Large Drumhead .....	.15	.50	1.50
Scott's Cross, or Greeley Market.....	.50	1.50	...
Charleston Wakefield .....	.20	.50	1.75
Premium Late Flat Dutch.....	.15	.50	1.50
Drumhead Savoy, curled.....	.15	.60	1.75
Early Paris Savoy, curled.....	.20	.65	...
Mammoth Rock Red, late.....	.15	.50	1.50
Danish Round Red, new, ½-oz., 20c.....	.35	...	...

For Cabbage Plants, see page 25.

### CORN SALAD

Broad Leaved .....	\$0.10	\$0.20	\$0.60
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### CHICORY

Large Rooted, for the roots.....	\$0.10	\$0.30	\$1.00
Large Leaved, for salads.....	.10	.30	1.00
Witloof (Brussels), or French Endive.....	.15	.40	1.25

### CARROTS

#### Fresh Seed, Supply Limited

Ready for table in from 95 to 120 days from seed, according to variety. One ounce to a row 100 feet long; 3 lbs. per acre.

## Seeds in Packets—All Varieties on This Page at 5c Each

Any good land, if thoroughly and deeply worked, will produce satisfactory crops. Sow as early as the ground can be worked; sow the smaller kinds in rows 16 to 18 inches apart. For field culture sow in drills 18 to 24 inches apart. Cover one-half inch deep and see that the soil is pressed firmly above the seed. Do not let the weeds get a start. Thin to 3 to 6 inches apart in the row as soon as the plants are large enough. For winter use gather and store like turnips.

	Oz.	¼-Lb.	Lb.
Early French Forcing.....	\$0.15	\$0.50	\$1.50
Oxheart, or Guerande, early.....	.15	.40	1.25
Early Scarlet Horn.....	.15	.40	1.25
Chantenay, medium .....	.15	.40	1.25
Danvers Half Long.....	.15	.30	1.00
Nantes Half Long.....	.15	.30	1.00
Early H. L. Carentan.....	.15	.30	1.00
Intermediate St. Vallery.....	.15	.30	1.00
Long Orange, late.....	.15	.25	.75
White Belgian, for stock.....	.15	.20	.60
Yellow Belgian, for stock.....	.15	.20	.60



Celery — Golden Self-Blanching

## CELERY

1 oz. will produce 3,000 good plants. One pound to an acre.

Sow the seed (which is slow to germinate) in shallow boxes, or hotbed, cover the seed not too deep. Keep the bed moist, almost wet, until the seeds germinate. When about 2 inches high, thin out and transplant so that they may stand 3 inches apart, and when the plants are 4 inches high, cut off the tops, which will cause them to grow stocky. The essentials to success in celery growing are rich soil and plenty of water. The best results are usually obtained from setting about the middle of June or the first of July. In setting, prepare broad trenches about 6 inches



deep and 4 to 6 feet apart, cutting off the outer leaves and pressing the soil firmly about the roots. Cultivate freely. Earth up a little during the summer, keeping the leaf stalks close together, so that the soil cannot get between them. Finish earthing up in autumn, and never hoe or earth up when plants are wet, as this would be likely to cause them to rust or rot.

To keep celery for winter, dig trenches a foot wide and as deep as the tops of the plants. Stand celery in these erect, with what dirt adheres to the roots, packing closely, but not crowding. It should be covered with straw or leaves, a little at a time, as the cold becomes greater. Celery will bear a good deal of frost.

	$\frac{1}{4}$ -Oz.	Oz.	$\frac{1}{4}$ -Lb.
Golden Self-Blanching, French Seed.....	\$0.35	\$1.25	\$4.00
Giant Pascal, French Seed.....		.25	.75
White Plume, French Seed.....		.25	.75
Half Dwarf White.....		.25	.75
Rose Ribbed Self-Blanching.....		.25	.75
Celeriac, or Turnip-Rooted Celery.....		.20	.60

### CORN — POP

	Oz.	$\frac{1}{4}$ -Lb.	Lb.
White Rice .....		\$0.10	\$0.20
Queen's Golden .....		.10	.20
Spanish .....		.10	.25

### CRESS

Curled, Pepper Grass.....	\$0.10	\$0.15	\$0.40
Water Cress, grows in water.....	.25	.75	2.50

### EGG PLANT

	$\frac{1}{4}$ -Oz.	Oz.
New York Improved Spineless.....	\$0.20	\$0.50
Black Beauty, large, early.....	.20	.50

Plants ready in May. See page 25.

### ENDIVE

	Oz.	$\frac{1}{4}$ -Lb.	Lb.
Green Curled .....	\$0.15	\$0.35	\$0.90
White Curled .....	.15	.35	.90
Broad Leaved Batavian.....	.15	.35	1.00

### KOHL-RABI

	Oz.	$\frac{1}{4}$ -Lb.	Lb.
Early White Vienna, select.....	\$0.20	\$0.60	\$1.75
Early Purple Vienna.....	.20	.60	1.75



Lettuce — Los Angeles Market

### LETTUCE

Fit for use in 3 or 4 weeks, marketable size 60 to 65 days from seed. One ounce for about 3,000 plants.

Lettuce thrives best in a light, very rich, moist soil, but does well in common garden soil enriched with rotten manure. For



first crop sow in gentle heat in February and transplant to 10 inches apart. It may be sown thickly and cut when the plants are very young. For a summer supply sow thinly in shallow drills in a cool, partially shaded place, in rich soil, and thin out to a foot apart.

	Oz.	¼-Lb.	Lb.
*Los Angeles Market, smooth.....	\$0.15	\$0.40	\$1.25
*May King, select strain.....	.10	.30	.90
*Improved Big Boston, select strain.....	.10	.30	.90
Grand Rapids, select strain.....	.10	.30	.90
*Denver Market, wrinkled.....	.10	.25	.75
*Hanson, solid heads.....	.10	.25	.75
Early Ohio or Cincinnati, curled.....	.10	.25	.75
*Cabbage Head, or Cream Butter.....	.10	.25	.75
Black Seeded Simpson, curly.....	.10	.25	.75
Simpson's Early Curled.....	.10	.25	.75
Early Tennis Ball .....	.10	.25	.75
Prize Head, brown edge.....	.10	.25	.75
Iceberg .....	.10	.25	.90
Paris White Cos, upright.....	.10	.25	.75

\* These varieties form heads.

### LEEK

London Flag .....	\$0.10	\$0.30	\$1.00
Large Rouen .....	.10	.30	1.00

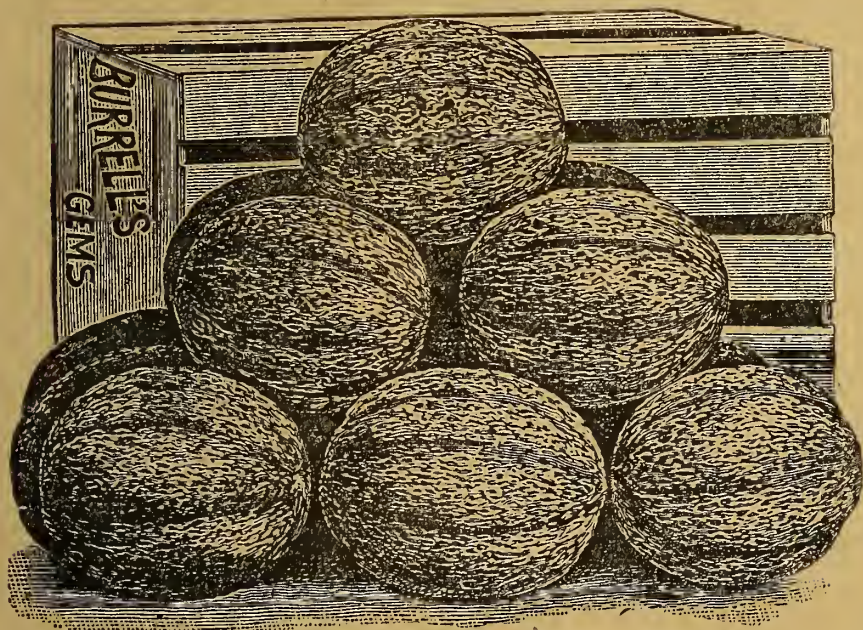
### MUSTARD

White London, yellow seed.....	\$0.10	\$0.15	\$0.40
Southern Giant Curled.....	.10	.20	.60
Brown or Black.....	.10	.15	.40

### MUSKMELON

One ounce to 50 hills; 2 to 3 pounds per acre.

Earliest varieties ready in 90 to 100 days from sowing. General crop requires 115 to 140 days. Melons thrive best in a light, rich soil. Plant when the ground has become warm and dry, and danger from frost is past, in hills 6 feet apart each way, in well-enriched soil, 12 to 15 seeds in each hill. After all danger of bugs is over, thin out to 3 plants per hill. When about 3 feet long, pinch off the tips to make them branch and cause the fruit to mature earlier.



	Oz.	¼-Lb.	Lb.
Rocky Ford Cantaloupe, green.....	\$0.10	\$0.20	\$0.60
Rocky Ford Cantaloupe, Select Eden Gem, Rust Resisting .....	.10	.30	.90
Burrell's Gem, select, pink.....	.10	.20	.60
Osage, green .....	.10	.20	.60
Netted Gem, green.....	.10	.20	.60
Emerald Gem, green.....	.10	.20	.60



Seeds in Packets—All Varieties on This Page at 5c Each

Hackensack, large, green.....	.10	.20	.60
Acme, or Baltimore, green.....	.10	.20	.60
Miller's Cream, salmon.....	.10	.20	.60
White Japan .....	.10	.20	.60
Banana .....	.10	.25	.75
Large Yellow Musk.....	.10	.20	.60

### CITRON MELONS

Citron, Red Seeded.....	\$0.10	\$0.25	\$0.75
Colorado Preserving, Green Seed.....	.10	.25	.75

When the striped bugs eat your young melon plants sprinkle liberally with Hammond's Slug Shot. For price, see page 35.



### WATERMELONS

One ounce to 30 hills; 4 lbs. per acre. Ready from 90 to 140 days from seed.

To get good strong vines early in season, form large, well-drained hills of earth, made very rich, about 8 feet apart. In these plant the seed as soon as the ground is warm and dry, and carefully protect the young plants from insects and hasten their growth by the use of liquid manure.

	Oz.	¼-Lb.	Lb.
Kleckley's Sweet, long.....	\$0.10	\$0.25	\$0.75
Rocky Ford, long.....	.10	.20	.60
Tom Watson, long.....	.10	.20	.60
Ice Cream, or Peerless.....	.10	.20	.50
Gypsy, or Rattlesnake, large.....	.10	.20	.50
Kentucky Wonder, oblong.....	.10	.20	.50
Kolb's Gem, large, round.....	.10	.20	.50
Mountain Sweet, oblong.....	.10	.20	.50
Cuban Queen .....	.10	.20	.50
Light Icing .....	.10	.20	.50
Seminole .....	.10	.20	.50
Pride of Georgia.....	.10	.20	.50
Cole's Early .....	.10	.20	.50
Phinney's Early, round.....	.10	.20	.50
Sweetheart, oval .....	.10	.20	.50
Florida Favorite, oblong.....	.10	.20	.50

### OKRA

	Oz.	¼-Lb.	Lb.
White Velvet, medium dwarf.....	\$0.10	\$0.20	\$0.50
Early Dwarf Green.....	.10	.20	.50

### ONION

One ounce to 100 feet of drill; 4 to 5 pounds to the acre. Ready for green onions in 60 days. Main crop matures in 130 to 190 days from sowing.

The onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground, contrary to the general rule, rather improves the crop than otherwise. As early as the ground can be worked in the spring, sow the seeds in drills 14 inches apart, covering half an inch. When the plants can just be seen in rows, commence hoeing, just skimming the



Seeds in Packets—All Varieties on This Page at 5c Each

surface. Subsequently weed thoroughly and carefully by hand. When the tops die, pull the onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off one-half an inch from the bulb.



	Oz.	¼-Lb.	Lb.
Danvers Yellow Globe.....	\$0.20	\$0.60	\$1.75
Danvers Yellow Flat.....	.15	.50	1.50
Southport Yellow Globe.....	.20	.65	2.00
Southport Red Globe.....	.20	.65	2.00
Large Red Wethersfield.....	.20	.65	2.00
Extra Early Red Flat.....	.20	.60	1.75
Brown Australian, amber color.....	.15	.50	1.50
Prize Taker, select, pale yellow.....	.20	.60	1.75
Ailse Craig, new, pkt., 10c; ½-oz., 20c.....	.35	1.00	3.00
Silver Skin, very mild.....	.25	.80	2.50
Southport White Globe.....	.25	.80	2.50
Mammoth Silver King.....	.25	.80	2.50
Extra Early Barletta, French.....	.25	.80	2.50
Early White Queen, small.....	.25	.75	2.25
Bunching Onion, White Lisbon.....	.15	.50	1.50

### BERMUDA ONION SEED

White Bermuda .....	\$0.20	\$0.65	\$2.00
Red Bermuda .....	.35	1.00	3.00

### ONION SETS

	Postage Extra	Pint	Quart
Yellow Bottoms .....		\$0.10	\$0.20
Red Bottoms .....		.10	.20
White Bottoms .....		.15	.25

Larger quantities quoted on application.

### PARSNIPS

	Oz.	¼-Lb.	Lb.
Hollow Crown, the standard.....	\$0.10	\$0.20	\$0.50
Guernsey Half Long.....	.10	.20	.50
Short or Round.....	.10	.20	.50



Seeds in Packets—\*All Varieties on This Page at 5c Each

## PARSLEY

One ounce to 150 feet of drill. Soak the seeds a few hours in lukewarm water and sow early in spring in drills 1 foot apart. Thin out to 4 inches. To preserve in winter, transplant to a light cellar or glass frames. Used for garnishing and seasoning.



Parsley — Double Moss Curled

Moss or Triple Curled.....	\$0.10	\$0.20	\$0.60
New Emerald, dwarf.....	.10	.25	.70
Turnip Rooted, or Hamburg.....	.10	.25	.70

## PEPPER

One ounce to 1,500 plants. Require from 135 to 160 days from sowing to maturity.

The small peppers are the hottest, the large varieties being quite mild in flavor. Sow in hotbed early in April and transplant. They may also be sown in the open ground when the danger of frost is past and the soil is warm.

	½-Oz.	Oz.
Ruby King, select strain.....	\$0.25	\$0.35
Spanish Monstrous, large.....	.25	.35
Chinese Giant, extra large.....	.25	.40
Large Bell (Bull Nose).....	.25	.35
Sweet Mountain .....	.25	.35
Long Red Cayenne, pungent.....	.15	.25
Mexican Red Chili, long.....	.15	.25
Schell's New Quality, pkg. 15c.....	.40	.70

For Pepper Plants, see page 25.

## PUMPKIN

From 100 to 120 days from sowing seed to maturity. One ounce to thirty hills; 4 pounds per acre.

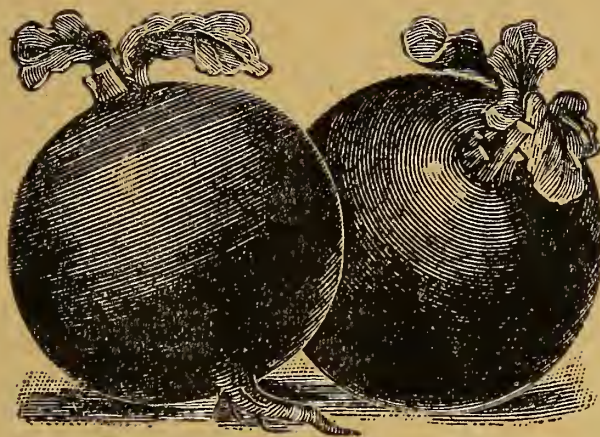
Pumpkins are planted frequently in connection with a crop of corn, or as a second crop after early peas, etc. The fruits are quite susceptible to frost and should be gathered and stored in a cool, dry place.

	Oz.	¼-Lb.	Lb.
Small Sugar, or New England Pie.....	\$0.10	\$0.20	\$0.50
Large Cheese, flat, yellow.....	.10	.20	.50
Mammoth Tours, large.....	.10	.25	.75
King of Mammoth, large.....	.10	.25	.75
Japanese Pie, small one end.....	.10	.25	.75
Kentucky Field, large, yellow.....	.10	.15	.40
Large Yellow Field, large, flat.....	.10	.15	.35
Sweet Potato .....	.10	.25	.50
Cashaw or Crookneck.....	.10	.25	.50

## RADISH

One ounce to 100 feet of drill; 10 pounds to an acre. Ready in 18 to 45 days from seed, according to variety.

Radishes must make a rapid growth to be crisp and tender. For early use sow in the hotbed, half an inch deep. For an early crop in the open ground, sow thinly in drills on rich, sandy soil, as early in the spring as it is fit to work. For a succession, sow every two weeks.



Radish — Vick's Scarlet Globe

	Oz.	¼-Lb.	Lb.
Non Plus Ultra (Fireball), Forcing.....	\$0.10	\$0.20	\$0.60
Perfection, white tipped.....	.10	.20	.60
Vick's Scarlet Globe, Forcing.....	.10	.20	.60
Early Scarlet Turnip, white tip.....	.10	.20	.60
Early Scarlet Turnip.....	.10	.20	.60
Crimson Giant, early.....	.10	.20	.60
French Breakfast, half long.....	.10	.20	.60
Long Brightest Scarlet.....	.10	.20	.60
Chartier, long.....	.10	.20	.60
Glass or Cincinnati Market, long.....	.10	.20	.60
Long Scarlet Short Top.....	.10	.20	.60
White Icicle, select strain, long.....	.10	.20	.60
Long White Vienna.....	.10	.20	.60
White Strasburg, late.....	.10	.20	.60
Giant White Stuttgart, late.....	.10	.20	.60
China Rose, for winter.....	.10	.20	.60
White Olive Shaped.....	.10	.20	.60
Scarlet Olive Shaped.....	.10	.20	.60
Large White Russian.....	.10	.20	.60
Round Black Spanish, winter.....	.10	.20	.60
Long Black Spanish, winter.....	.10	.20	.60

## RHUBARB OR PIE PLANT

1 ounce to 500 plants.

The richer the ground is, the better. Sow in drills an inch deep, and thin out to 6 inches apart. In the fall transplant into very highly manured and deeply stirred soil, setting them 4 feet apart each way, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed. In removing be careful to pull off close to the roots instead of cutting.

	Oz.	¼-Lb.	Lb.
Linnaeus, small early.....	\$0.10	\$0.35	\$1.00
Victoria, large, late.....	.10	.35	1.00

For Rhubarb Roots, see page 25.

## SPINACH

One ounce to 100 feet of drill; 12 lbs. per acre. Cultivated very extensively for "greens." A profitable crop for market. Select a rich, well-drained soil, highly manured. For a succession, sow early in April and again in May, in drills 1 foot apart and 1 inch



deep, properly thinning out when plants are an inch in the leaf. For early spring use, sow early in autumn and protect the plants with a light covering of leaves or straw.

	Oz.	$\frac{1}{4}$ -Lb.	Lb.
Bloodsdales, or Norfolk Savoy Leaved.....	\$0.10	\$0.25	\$0.75
Long Standing, for spring.....	.10	.25	.75
Monstrous Round-Leaved Viroflay.....	.10	.25	.75
Prickly, for fall sowing.....	.10	.25	.75
New Zealand, large leaf.....	.15	.40	1.00

5 to 25 lbs., one variety, at 65c per lb., not prepaid.

### SALSIFY OR VEGETABLE OYSTER

One ounce to 60 feet of drill.

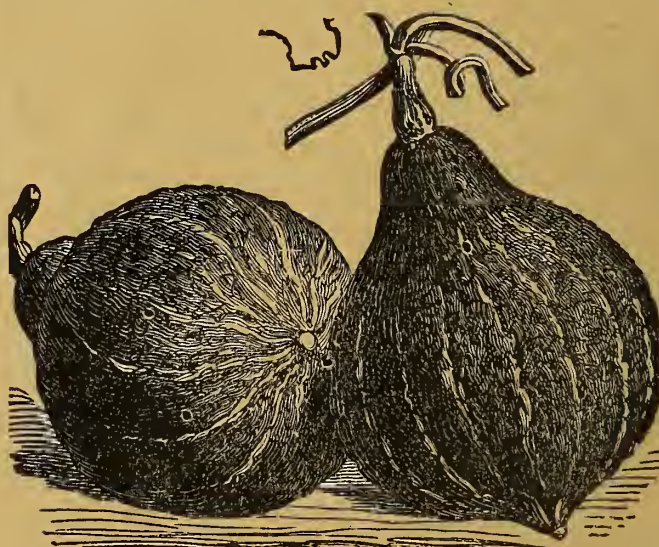
Resembles a small parsnip, and when thinly sliced and cooked is a good substitute for oysters, having a very similar flavor. It succeeds best in light, rich soil. Sow early and quite deep. The leaves, when they first appear, look like grass, making it especially important to plant in rows. Thin out and cultivate like the carrot; roots are perfectly hardy and may remain out all winter, but should be dug early in the spring; store a quantity for winter use in a cellar.

Mammoth Sandwich Island.....	\$0.15	\$0.45	\$1.30
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### SQUASH

Summer and early sorts ready for use in from 55 to 65 days from planting. One ounce to 30 hills; 4 lbs. to the acre. Hills 4 feet apart each way.

Any good enriched soil is adapted to the growth of the squash. The seed should not be sown in the spring until danger from frost is past and the ground is warm and thoroughly settled. Keep the earth about the plants loose and clean. Three plants to the hill.



Squash — Hubbard

Mammoth Bush Summer Crookneck.....	\$0.10	\$0.25	\$0.75
White Bush Scalloped (Patty-Pan).....	.10	.25	.75
Early Yellow Bush Scalloped.....	.10	.25	.75
Fordhook Bush, for summer.....	.10	.30	.90
Long Vegetable Marrow (English).....	.10	.30	.90
Hubbard, standard for winter.....	.10	.30	.90
Warty Hubbard, very warty.....	.10	.30	.90
Golden Hubbard, for winter.....	.10	.30	.90
Sibley, or Pikes Peak, oval.....	.10	.30	.90
Delicious, orange color.....	.10	.35	1.00
Essex Hybrid, flat ends.....	.10	.25	.75
Boston Marrow, oval.....	.10	.20	.65
Marblehead, late.....	.10	.25	.75
Mammoth Chili, very large.....	.10	.30	.90

If troubled with squash bugs, use Hammond's Slug Shot.



## TURNIP

Very scarce this year.

Ready from forty to sixty days from seed. One ounce to 150 feet of drill; 2 lbs. to acre.

The turnip is most easily affected in form and flavor by soil, climate and mode of culture. Sow in drills about 16 inches apart and half an inch deep, or sow broadcast. Get the spring crop started very early, so that the turnips may have time to grow before hot weather causes them to become tough and strong. Sow for main crop the middle of July to the last of August.

	Oz.	¼-Lb.	Lb.
Extra Early White Milan, flat.....	\$0.10	\$0.25	\$0.80
Extra Early Purple Top Milan.....	.10	.25	.80
Early White Egg, oval.....	.10	.20	.60
Purple Top Strap Leaf, flat.....	.10	.20	.60
Early White Flat Dutch.....	.10	.20	.60
Amber Globe, late, large.....	.10	.20	.60
Mammoth Red Top Globe, late.....	.10	.20	.60
White Globe .....	.10	.20	.60
Cow Horn, very long, white.....	.10	.20	.60
Yellow Aberdeen, purple top.....	.10	.20	.60
Golden Ball .....	.10	.20	.60
Early Snowball .....	.10	.20	.60

## RUTABAGA

Purple Top Yellow.....	\$0.10	\$0.20	\$0.60
Westbury Swede .....	.10	.20	.60
Sweet German .....	.10	.20	.60
Shamrock Swede .....	.10	.20	.60
Laing's Improved .....	.10	.20	.60

## TOMATOES

## Select Stock

One ounce to 1,500 plants; ¼-lb. (transplanted) per acre. Mature in from 90 to 150 days from planting.

For early plants sow seed in boxes or hotbeds in March. When the plants are about 2 inches high, transplant to 4 inches apart each way. Set out of doors as soon as danger from frost is over. Transplant carefully 4 feet apart each way and cultivate well as long as the vines will permit. To obtain early fruit pinch off the ends of the branches when the first fruit is set.



Tomato — Livingston's Beauty

Livingston's Globe, Forcing.....	\$0.25	\$0.75	...
Earliana, Selected Strain, red.....	.20	.75	\$2.50
June Pink (Pink Earliana).....	.25	.75	2.50
Livingston's Beauty, select stock.....	.25	.75	2.00
Stone, scarlet .....	.20	.60	1.75

Seeds in Packets—All Varieties on This Page at 5c Each

Dwarf Aristocrat, scarlet.....	.20	.60	1.75
Ponderosa, purplish red, large.....	.25	.75	2.25
Early Acme .....	.20	.65	2.00
Perfection, red .....	.15	.50	1.50
Dwarf Champion, purplish red.....	.20	.65	2.00
Red Cherry, small.....	.25	.75	...
Red Pear .....	.25	.75	...
Yellow Pear, small.....	.25	.75	...
Yellow Husk, or Ground Cherry.....	.30	.90	...
Yellow Plum .....	.25	.75	...

For Tomato Plants, see page 25.

### FORCING VARIETIES

**Sutton's Best of All.** Immense cropper. Pkt., 10c; ½-oz., 30c.; oz., 50c.

**Comet.** Scarlet color. Pkt., 25c.

**Frogmore Select.** Bright scarlet, solid. Pkt., 15c; ½-oz., 30c.; oz., 50c.

**Lorillard.** Bright red, fine flavor. Pkt., 5c; ½-oz., 15c; oz., 30c.

**Sunrise.** A good English sort. Pkt., 25c.

**Mayflower.** Bright red, medium size. Pkt., 5c; ½-oz., 15c.; oz., 30c.

### TOBACCO

One ounce will sow about 25 square feet and produce plants for one acre.

	Oz.
Connecticut Seed .....	\$0.25
Havana .....	.35

### HERBS

Anise, for garnishing.....	\$0.15
*Balm, for balm tea.....	.25
Basil, Sweet, for seasonings, soups, etc.....	.25
Borage, a pot herb, and for bees.....	.25
Caraway, seeds used in bread.....	.10
Catnip, a medicinal herb.....	.30
Coriander, seeds used in confectionery.....	.10
Dill, leaves used in pickles, etc.....	.10
*Fennel, used in fish sauces, etc.....	.10
*Horehound, for medicinal and candy.....	.20
Pennyroyal, medicinal; pkg., 10c.....	.75
*Lavender, a popular aromatic.....	.25
Marjoram, Sweet, for seasoning.....	.20
Rosemary, aromatic .....	.40
Sorrel, for salads.....	.20
Summer Savory, for seasoning.....	.20
Saffron, for dyeing.....	.15
*Sage, Broad-Leaved, for seasonings.....	.15
Thyme, for seasoning.....	.40
*Wormwood, for poultry.....	.25
Tansy, medicinal .....	.25

\* Varieties thus marked are perennials.

### INGREDIENTS FOR TAMALES AND CHILI

Add Postage If Wanted by Mail

	¼-Lb.	Lb.	10 Lbs.
Chili Pepper Pods, Mexican.....	\$0.10	\$0.30	\$0.25
Japanese Chili Pods, small.....	.15	.50	.40
Chili Petines, very best.....	.25	.75	.65
Comeno, recleaned seed.....	.10	.35	.30
Oregano (Mexican Sage).....	.10	.30	.25
Corn Husks .....	.10	.25	.20

Garlic and Beans at market price.



# ALPHABETICAL LIST OF FLOWER SEEDS

## SPECIAL OFFER FOR SEEDS IN PACKETS

Five-cent sizes, any 6 for 25c, 14 for 50c, 30 for \$1.00.  
 Any 10c sizes in equal proportion. All Flower Seeds are  
 postpaid.

	Pkt.
Acroclinium (Everlasting), Annual, mixed; ½-oz., 15c.....	\$0.05
Aconitum (Monkshood), perennial .....	.05
Abronia (Umbellata) .....	.05
Adonis (Pheasant's Eye).....	.05
Adlumnia (Allegheny Vine).....	.10
Agrostemma, annual .....	.05
Agrostemma, perennial .....	.10
Anemone Coronaria (Wind Flower).....	.05
Asphodel, perennial .....	.10
Ageratum, Annual, Mexicanum, light blue; ¼-oz., 15c.....	.05
Alyssum, Sweet, pure white; oz., 25c; ½-oz., 15c.....	.05
Alyssum, Little Gem; oz., 40c; ¼-oz., 15c.....	.05
Alyssum Saxatile Compactum .....	.10
Amaranthus Tricolor, Joseph's Coat, Annual; ¼-oz., 15c.....	.05
Amaranthus, Candatus (Love Lies Bleeding).....	.05
Many kinds Amaranthus, mixed; ½-oz., 15c.....	.05
Ampelopsis Quinquefolia, Woodbine.....	.05
Antirrhinum (Snapdragon), dark rose; ¼-oz., 25c.....	.10
Antirrhinum (Snapdragon), yellow; ¼-oz., 25c.....	.10
Antirrhinum (Snapdragon), scarlet; ¼-oz., 25c.....	.10
Antirrhinum (Snapdragon), white; ¼-oz., 25c.....	.10
Antirrhinum (Snapdragon), carmine-yellow; ¼-oz., 25c.....	.10
Antirrhinum, mixed; ¼-oz., 20c.....	.05
For Snapdragon Plants, see page 26.	
Asters, Giant Hohenzollern .....	.20
Asters, Giant Branching Comet, mixed; ⅛-oz., 25c.....	.10
Asters, Giant Branching Comet, pink; ⅛-oz., 25c.....	.10
Asters, Giant Branching Comet, light blue; ⅛-oz., 25c.....	.10
Asters, Giant Branching Comet, lavender; ⅛-oz., 25c.....	.10
Asters, Giant Branching Comet, mixed; ⅛-oz., 20c.....	.10
Asters, Daybreak, shell pink; ⅛-oz., 25c.....	.10
Asters, Royal Striped, very odd; ⅛-oz., 35c.....	.10
Asters, all kinds mixed; ¼-oz., 30c.....	.05
Asters, Crown or Corcordeau.....	.10
Asters, Peony Flowered, Double.....	.10
Asters, Perfection, mixed .....	.10
Asters, China, mixed .....	.05
Asters, Semple's Branching, mixed.....	.10
Asters, Mikado, pink .....	.15
Asters, Mikado, white .....	.15
Asters, Cregos Giant, pink .....	.15
Asters, Crimson King .....	.15
Asters, Violet King .....	.15
Asters, Lavender Gem .....	.15
Asters, Pink Beauty .....	.15
Asters, Queen of the Market.....	.15
Asters, Perennial .....	.10
Bachelor's Button, mixed; ½-oz., 15c.....	.05
Balsam, Double Camelia Fl., mixed; ¼-oz., 20c.....	.05
Balsam, Double, Tall, mixed .....	.05
Balsam, Double, Dwarf, mixed .....	.05
Balsam Apple .....	.10
Balloon Vine .....	.05
Beans, Scarlet Runner; lb., 40c; ¼-lb., 15c.....	.05
Beans, White Runner Papillo .....	.10
Begonias, Tuberous Rooted, mixed; original pkts.....	.25
Calendula (Pot Marigold), Annual; ½-oz., 15c.....	.05
Calliopsis, Annual, mixed colors; ½-oz., 15c.....	.05
Canterbury Bells, medium, mixed; ¼-oz., 15c.....	.05

## FLOWER SEEDS

All Postpaid

	Pkt.
Canary Bird Flower, beautiful climber.....	.05
Canna, Indian Shot, tender perennial, mixed.....	.05
For Canna Bulbs, see page 27.	
Candytuft, Giant Empress, large white; ½-oz., 25c.....	.05
Candytuft, Dark Purple .....	.05
Candytuft, all colors, mixed; oz., 15c.....	.05
Carnation, Marguerite, mixed .....	.10
Catchfly (Silene Compacta), Annual, mixed; ½-oz., 15c.....	.05
Castor Beans, Dwarf .....	.05
Castor Beans, Zanzibariensis, Giants; oz., 25c.....	.05
California Poppy, choice, mixed; oz., 25c.....	.05
California Poppy Burbank's Crimson .....	.15
Cineraria, Tender Pot Perennial, imported.....	.25
Clarkia, Pulchella, Double, mixed.....	.05
Centaurea Imperialis, Annual, mixed.....	.05
Centaurea Moschatus; mixed .....	.05
Centaurea Marguerite, mixed .....	.05
Centaurea Suavolens, mixed .....	.10
Centaurea Cyanus, Bachelor's Button, mixed.....	.05
Centaurea Emperor William, Cornflower, blue.....	.05
Centaurea Dusty Millers, Candidissima .....	.15
Centaurea Dusty Millers, Gymnocarpa .....	.10
Chrysanthemums, Double, mixed; ½-oz., 15c.....	.05
Chrysanthemums, Burrhead, mixed .....	.25
Chrysanthemums, Frutescens, Paris Daisy, white.....	.10
Cobaea Scandens, Tender Climber, purple and white.....	.10
Coreopsis, Lanceolata Grandiflora, Perennial.....	.10
Columbine, Rocky Mountain, Aquilegia Coerulea; ⅛-oz., 35c..	.10
Columbine, Hortensis, Double, mixed .....	.10
Columbine, Golden Spur .....	.05
Columbine, Grandiflora Alba, white.....	.10
For Columbine Roots, see page 30.	
Cypress Vine, Tender Annual Climber, mixed; ½-oz., 20c....	.05
Cockscomb Plumosa, Feathered, Annual, mixed.....	.05
Cockscomb, Tall, mixed .....	.05
Convolvulus Minor (Dwarf Morning Glory), mixed.....	.05
Coleus, Tender Perennial, mixed, imported.....	.25
Cosmos, Early Flowering, white; ½-oz., 30c.....	.10
Cosmos, Early Flowering, pink; ½-oz., 30c.....	.10
Cosmos, Early Flowering, crimson; ½-oz., 30c.....	.10
Cosmos, Early Flowering, mixed; oz., 40c.....	.05
Cosmos, Giant Late Flowering, mixed; oz., 25c.....	.05
Dahlia, Double, mixed .....	.10
Dahlia, Single, mixed .....	.10
For Dahlia Roots, see page 28.	
Daisy, English Bellis Perennis, Double, pink .....	.10
Daisy, English Bellis Perennis, Double, white .....	.10
Daisy, English Bellis Perennis, mixed .....	.10
Daisy, Paris, Marguerite, white.....	.10
Daisy, Burbank's Shasta, Alaska, white.....	.20
Daisy, Shasta, Californica, yellow.....	.20
Daisy, Shasta, Westhalia .....	.20
Daisy, Shasta, Monstrosum .....	.20
Delphinium (Perennial Larkspur), mixed.....	.05
Demorphotheca Aurantiaca Hybrida.....	.25
Feverfew, Half Hardy Perennial, white, double.....	.05
Four O'Clock; Annual, mixed; oz., 20c.....	.05
Forget-Me-Not (Myosotis), blue; ¼-oz., 20c.....	.05
Fox Glove (Digitalis), Hardy Perennial, mixed.....	.10
Gaillardia, Annual Varieties, mixed; ½-oz., 15c.....	.05
Gaillardia, Perennial, Grandiflora, mixed.....	.10
Gilia, Annual, mixed colors; ½-oz., 15c.....	.05
Geranium, Double, mixed .....	.15
Geranium, Single, mixed .....	.05
Gloxinia Hybrida, German Seed.....	.25
Godetia, mixed .....	.10
Gourds, Dipper; oz., 20c.....	.05



## FLOWER SEEDS

All Postpaid

	Pkt.
Gourds, Nest Egg; oz., 20c.....	.05
Gourds, Hercules Club; oz., 20c.....	.05
Gourds, Ornamental Varieties, mixed, large or small.....	.05
Gypsophila, Elegans, Angel's Breath, Annual.....	.05
Gypsophila, Paniculata, Baby's Breath, Perennial.....	.10
Gypsophila, Paniculata, Double .....	.25
Gomphrena, Globe Amaranth, Everlasting, mixed.....	.05
Heliotrope, Tender Perennial, mixed colors.....	.10
Hollyhock, Hardy Perennial, Double, white .....	.10
Hollyhock, Hardy Perennial, Double, pink .....	.10
Hollyhock, Hardy Perennial, Double, crimson .....	.10
Hollyhock, Hardy Perennial, Double, yellow .....	.10
Hollyhock, Hardy Perennial, all colors, mixed.....	.10
Hyacinth Bean, Tender Climber, mixed colors.....	.05
Ice Plant, Tender Annual.....	.05
Japanese Hops, Hardy Annual Climber, self-sows.....	.05
Job's Tears, Annual, Ornamental Grass; oz., 15c.....	.05
Kochia, Mexican Burning Bush, Summer Cypress.....	.10
Kenilworth Ivy .....	.10
Kudzu Vine (Jack and the Beanstalk).....	.10
Larkspur, Annual, Double, Tall Branching, mixed.....	.05
Larkspur, Annual, Dwarf German, Double.....	.05
Lantana, Tender Perennial, mixed.....	.10
Lavender, Vera, Perennial .....	.05
Lathyrus, Perennial Sweet Peas.....	.05
For Hardy Perennial Roots and Bulbs, see pages 29 and 30.	
Lemon Verbena .....	.25
Linum, Scarlet Flax, Annual; ½-oz., 15c.....	.05
Lobelia, Half Hardy Annual, Compacta, blue.....	.10
Marigold, Tall African, Double, mixed; ½-oz., 15c.....	.05
Marigold, Dwarf French, Double, mixed; ½-oz., 15c.....	.05
Mimulus Moschatus, Musk Plant, Tender Perennial.....	.10
Mignonette, Giant Machet; ¼-oz., 15c.....	.05
Mignonette, Reseda Odorata; ½-oz., 20c.....	.05
Mignonette, Grandiflora, Sweet; oz., 15c.....	.05
Maurandia, Tender Climber for Window Boxes.....	.10
Mourning Bride, Scabiosa, Double, Tall, mixed.....	.05
Morning Glory, Tall, all colors, mixed; oz., 15c.....	.05
Morning Glory, Dwarf, mixed colors .....	.05
Morning Glory, Japanese, Large, mixed; oz., 20c.....	.05
Moon Flower, Tender Annual Climber, white.....	.10
Moon Flower, Tender Annual Climber, sky blue .....	.10

## NASTURTIUMS

Dwarf Varieties, mixed; ¼-lb., 45c; 2 oz., 25c; oz., 15c; ½-oz., 10c .....	.05
Tall Varieties, mixed; ¼-lb., 45c; 2 oz., 25c; oz., 15c; ½-oz., 10c .....	.05
Nemophillia (Love Grass).....	.05
Nigella, Annual, mixed of blue and white; ½-oz., 15c.....	.05
Nicotiana, Affinis, white flowers; ½-oz., 25c.....	.05
Nicotiana, Affinis, Hybrida .....	.10
Nicotiana Sandarene .....	.15

## PANSY

Giant Trimardeau, King of Blacks; ⅛-oz., 40c.....	.10
Giant Trimardeau, Emperor William, blue; ⅛-oz., 40c.....	.15
Giant Trimardeau, Meteor, fiery brown; ⅛-oz., 40c.....	.10
Giant Trimardeau, Giant Purple, royal purple; ⅛-oz., 40c....	.10
Giant Trimardeau, pure white; ⅛-oz., 40c.....	.10
Giant Trimardeau, golden yellow, dark eye; ⅛ oz., 40c.....	.10
Giant Trimardeau, mixed; oz., \$2.00; ¼ oz., 60c.....	.10
Cassier's Giant, three and five blotch.....	.15
Silver State Mixture, our dependable strain.....	.25
Western Beauty, Fine large, mixed.....	.25
Perfection, mixed.....	.10
Mixed; ¼ oz., 25c; ⅛ oz., 15c.....	.05

For Pansy Plants, see page 27.

## FLOWER SEEDS

All Postpaid

	Pkt.
Petunias, Double, mixed, very fine seed, imported.....	.25
Petunias, Single, mixed; ¼-oz., 15c.....	.05
Petunias, Rosy Morn, New, Single, pink; ¼-oz., 25c.....	.10
Phlox Drummondii, Annual, mixed; ¼-oz., 15c.....	.05
Phlox Drummondii, Grandiflora, mixed; ¼-oz., 25c.....	.10
Phlox Drummondii, Star of Quedlinburg, Fringed, mixed....	.05
Perennial Phlox, Hardy, mixed.....	.10
For Hardy Phlox Roots, see pages 27 and 30.	
Passion Flower, a beautiful tender climber.....	.10

## PINKS

Chinensis, Double Chinese, mixed; ¼-oz., 15c.....	\$0.05
Imperialis, Double Imperial, mixed; ¼-oz., 15c.....	.05
Heddewigii, Single and Double, mixed; ¼-oz., 20c.....	.05
Grass, Clove or Perennial Hardy Pink.....	.10
Picotee, Perennial .....	.10

## POPPIES

Single Mixed, many varieties; oz., 15c.....	.05
Double Mixed, very showy; oz., 20c.....	.05
Shirley, Single, Large, many colors; oz., 30c.....	.05
Tulip Poppy, Large, glowing scarlet; oz., 35c.....	.10
Iceland, Perennial, Small Flowers, mixed.....	.10
Oriente, Perennial, beautiful crimson.....	.10
Portulaca, Rose Moss, Double, mixed .....	.10
Portulaca, Rose Moss, Single, mixed; oz., 35c.....	.05
Pyrethrum Aureum, Golden Feather; ¼-oz., 20c.....	.05
Primrose, Primula, English Yellow, Single.....	.15
Primrose, Primula Sinensis, Chinese Primrose.....	.15
Salpiglossis, Velvet Flower, mixed; ¼-oz., 20c.....	.10
Salvia, Flowering Sage, Splendens, scarlet.....	.10
Sensitive Plant, a Tender Annual.....	.05
Smilax, a Tender Perennial Climber; ¼-oz., 15c.....	.10
Statice, Latifolia, Everlasting, Perennial.....	.10
Stocks, German Ten Weeks, mixed; ¼-oz., 20c.....	.10
Sweet Sultan, a variety of Centaurea, mixed.....	.05
Sweet William, Single, mixed; ¼-oz., 15c.....	.05
Sweet William, Double, mixed; ¼-oz., 25c.....	.10

For plants of Sweet William, see page 30.

Sunflower, Fancy, mixed, many kinds; oz., 15c.....	.05
Sweet Violets, Hardy Perennial, blue.....	.10
Sweet Violets, Hardy Perennial, white.....	.10
Thunbergia, Climbing Black-Eyed Susan.....	.10
Valeriana (Garden Heliotrope), mixed.....	.05
Verbenas, Mammoth Flowered, mixed; ¼-oz., 40c.....	.10
Verbenas, Good, mixed; ¼-oz., 25c.....	.05
Verbena, Mammoth, scarlet, Defiance .....	.10
Verbena, Mammoth, purple .....	.10
Verbena, Mammoth, pink .....	.10
Verbena, Mammoth, blue .....	.10
Verbena, Mammoth, white .....	.10
Virginia Stock, Annual .....	.05
Virginia Stock, Annual, white .....	.05

For Verbena Plants, see page 27.

Wallflower, Double, mixed, English Seed.....	.10
Wallflower, Single, mixed; ½-oz., 15c.....	.05
Wild Cucumber, Vigorous Climber; ¼-lb., 40c; oz., 15c.....	.05
Wild Flower Garden Mixture; oz., 15c.....	.05
Water Lily (Nymphaea), white .....	.10
Zinnias, Striped, Double, mixed; ¼-oz., 15c.....	.10
Zinnias, Giant Mammoth, Double, mixed; ¼-oz., 25c.....	.10



# FLOWER SEEDS

All Postpaid

## SWEET PEAS

### Gigantic Spencer Varieties

Prices—Liberal packets, 10c; ½-oz. pkg., 15c; oz. pkg., 25c; ¼-lb. pkg., 75c, except where otherwise priced.

Ramona, white standard, bluish stripe; ½-oz., 25c; 1 oz., 45c.

Flora Norton, bright blue, tinted purple.

Helen Lewis, crimson orange, large size.

Sterling Stent, rich deep salmon.

Black Knight, dark maroon.

Brilliant Blue, large flower.

Dainty, pure white and pink.

Florence Morse, delicate blush.



Spencer Sweet Peas

Margaret Madison, clear azure blue.

Aurora, white, flaked with salmon.

Blanch Ferry, pink and white.

Purple Prince, one of the best.

Nora Unwin, pure white.

Mrs. Alfred Watkins, peach blossom.

Gladys Unwin, clear light pink.

Helen Pierce, clear white, blue veined.

Frank Dolby, lavender and pink.

E. J. Castle, bright rosy crimson.

Phenomenal, white, shaded with lilac.

Apple Blossom, bright rose, wings primrose.

Asta Ohn, soft lavender suffused with mauve.

Countess Spencer, soft, rosy pink; one of the best.

King Edward Spencer, rich carmine scarlet; ½-oz., 25c; oz., 45c.

Marie Corelli, a splendid rosy carmine; ½-oz., 20c.

Mrs. Routzahn, apricot and cream color.

Mrs. Walter Wright, deep mauve; ½-oz., 25c; 1 oz., 45c.

Othello Spencer, deep, rich maroon.

Primrose Spencer, beautiful cream yellow.

Queen Alexandra, rich, bright scarlet, large; ½-oz., 25c; 1 oz., 45c.

Senator Spencer, striped claret, heliotrope ground.

White Spencer, pure white, waved flower.

#### SPENCER VARIETIES MIXED

Our own mixture. Liberal packet, 10c; oz., 20c; 2 oz., 35c; ¼-lb., 60c.

#### Standard Grandiflora Varieties

All are large flowering and best of their class. Prices for any of the following named varieties: Large packet, 5c; oz. pkg., 10c; six of the 1-oz. pkgs., all different, for 50c; ¼-lb., 35c. All post-paid.

##### White

Dorothy Eckford, best pure white, semi-hooded, with large white wings.

Blanche Burpee, pure white somewhat over medium size, hooded form.

Emily Henderson, pure white, large size, open form.

##### Pale Yellow or Primrose

Hon. Mrs. Kenyon, a grand primrose yellow.

Sybil Eckford, standard, light apricot, wings cream and lemon.

Stella Morse, deep cream, blush pink edges.

##### Light Pink

Prima Donna, lovely shade of soft pink.

Lovely, soft shell pink; extra fine.

Katherine Tracy, standard soft pink, wings a trifle lighter.

Sensation, light pink and buff.

##### Rose Shades and Pink

Prince of Wales, bright rose, long stem, free flowering.

Hon. F. Bouverie, deep pink shading to lighter.

##### Orange, Pink and Salmon

Miss Wilmot, large orange pink.

Aurora, orange rose, striped on white.

##### Lavender and Mauve

Lady Grisel Hamilton, best of all lavenders.

Mrs. George Higginson, Jr., light lavender, almost azure blue.

Admiration, delicate pinkish lavender.

##### Blue and Purple

Flora Norton, bright, clear blue.

Navy Blue, new, deep violet blue.

Captain of the Blues, standard bluish-purple, wings clear blue.

##### Deep Maroon

Othello, dark maroon, with veins of almost black.

Shahzada, dark maroon and violet.

##### Striped and Variegated

Gray Friar, heliotrope, marbled or dusted on white.

America, crimson scarlet, striped on white.

##### Scarlet and Red

King Edward VII, bright red or crimson scarlet.

Salopian, deep crimson; best of all dark reds.

Fire Fly, brightest crimson scarlet. •

#### OUR SILVER STATE MIXTURE SWEET PEAS

This is the finest mixture of sweet peas, of the choicest varieties. These peas are grown separately and carefully mixed by us from the named varieties, and should not be confounded with the ordinary cheap mixtures. Pkt., 5c; oz., 10c; ¼-lb., 35c; lb., \$1.00.



# Nursery and Greenhouse Department

## VEGETABLE PLANTS

These prices do not include postage. Vegetable plants do not carry well by mail. However, if they must go by mail, add postage, average 5c per dozen, 25c per 100.

	Per 12	100	1,000
Early Cabbage Seedlings, ready in April.....	\$0.10	\$0.50	\$3.50
Early Red Cabbage .....	.20	.80	...
Early Cauliflower, ready in April.....	.20	1.00	8.00
Tomatoes, Seedlings, ready in May.....	.15	.50	4.00
Tomatoes, once transplanted.....	.15	.80	5.00
Peppers, transplanted, ready May 15.....	.20	1.00	6.00
Egg Plants, from hot bed.....	.25	2.00	...
Celery, Early, ready in May.....	.10	.50	3.50

### Late Vegetable Plants

Late Cabbage, in bundles .....	.10	.40	2.00
Late Cauliflower, in bundles.....	.20	.75	6.00
Late Celery, ready in June.....	.10	.25	2.00
Sweet Potato Plants, in bundles of 100.....	...	.50	3.50

## VEGETABLE ROOTS

These prices do not include postage.

	Per 12	100	1,000
Asparagus, popular varieties, 1 year old.....	\$0.15	\$0.60	\$4.00
Asparagus, popular varieties, 2 years old.....	.20	.75	5.00

Postage extra, 25c for 1 yr. and 35c for 2 yr., per 100.

	Per 12	100	1,000
Rhubarb Roots; each, 5c.....	\$0.50	\$3.00	\$17.50

Postage extra, one root, 2c; 10c per doz.

Horse Radish (by mail, 5c per doz. extra).....	.15	.70	5.00
Chives; each, 15c (by mail, 5c each extra); per 12.....	...	...	\$1.25
Catnip Roots; each, 10c; by mail.....	...	...	.15
Mint Roots; each clump, 15c; by mail.....	...	...	.25
Sage; 1-year clumps, 15c; by mail.....	...	...	.25
Tarragon; per clump, 10c; by mail.....	...	...	.20
Garlic Bulbs, dry, in stock all the time; ½-lb., 15c; 1b.....	...	...	.25
Jerusalem Artichokes, tubers; 1b., 10c; 3 lbs., 25c; 25 lbs.....	...	...	.75

## Small Fruits

These varieties are all of established merit, home-grown and very suitable for our western planters.

When shipping by freight or express we can select the larger and stronger plants.

### BLACKBERRIES

	Each	Per 10	100
Snyder, medium size, very hardy.....	\$0.10	\$0.60	\$4.00
Rathburn, large, jet black.....	.10	.65	4.50
Loganberry, large, long, dark red.....	.15	1.25	...
Dewberry, trailing blackberry, hardy.....	.10	.70	5.00
Himalaya Berry, a late blackberry.....	.20	1.50	...

If wanted by mail, add 5c each; 15c for 10 plants.

### RASPBERRIES

	Each	Per 10	100
Cuthbert, large, rich crimson.....	\$0.10	\$0.50	\$3.50
Marlboro, light crimson, very early.....	.10	.50	3.50
Kansas, large black, early, hardy.....	.10	.60	3.50
Gregg, large black cap (tips).....	.10	.65	4.00

If wanted by mail, add 5c each; 15c for 10 plants.

### GOOSEBERRIES

	Each	Per 10	100
Downing, large, pale green, very sweet.....	\$0.25	\$2.00	\$17.50
Houghton, medium size, pale red.....	.25	2.00	17.50
Josselyn, very large, productive.....	.25	2.00	17.50

If wanted by mail, add 5c each; 20c for 10 plants.

## CURRANTS

	Each	Per 10	100
Cherry, large, deep red.....	\$0.15	\$1.00	\$ 8.00
Perfection, very large, bright red.....	.15	1.25	10.00
Black Naples, the standard black.....	.15	1.00	8.00
White Grape, creamy white, mild.....	.15	1.00	9.00

If wanted by mail, add 5c each; 20c for 10 plants.

## GRAPES — Two Years Old

	Each	Per 10
Concord, standard black, very hardy.....	\$0.15	\$1.50
Brighton, the best red for the West.....	.15	1.50
Moore's Diamond, a grand early white.....	.15	1.50

If wanted by mail, add 5c each; 25c for 10 plants.

## STRAWBERRIES

We handle only varieties that are suitable for our western use. They will all self-pollenize.

	Per 12	100	1,000
Aroma; large, medium early.....	\$0.15	\$0.75	\$5.00
Captain Jack .....	.15	.75	5.00
Senator Dunlap, large, early, all red.....	.15	.75	5.00
Everbearing, "Progressive," produces all through late summer and fall.....	.50	3.00	...

If by mail, add 10c for 1 dozen; 25c per 100.

## SMALL EVERGREEN TREES BY MAIL

We have arranged with an eastern nursery to fill our orders direct to our customers for any of the following collections, all prepaid. Order early that stock may be sent you just at the right time.

- Collection No. 1.—100 Norway Spruce, 3 years old.
- Collection No. 2.—100 Scotch Pine, 2 years old.
- Collection No. 3.—100 Douglas Fir, 3 years old.
- Collection No. 4.— 50 Colorado Blue Spruce, 3 years old.
- Collection No. 5.—100 White Pine, 2 years old.
- Collection No. 6.— 50 Black Hill Spruce, 4 years old.
- Collection No. 7.—100 American Arbor Vitae, 3 years old.
- Collection No. 8.—100 Dwarf Mountain Pine, 3 years old.
- Collection No. 9.—100 Jack Pine, 2 years old.
- Collection No. 10.— 50 Red Cedar, 2 years old.
- Collection No. 11.—100 Ponderosa Pine, 2 years old.
- Collection No. 12.—100 White Spruce, 3 years old.

Prices—Any one above collections, \$1.00, postpaid. We cannot break assortments.

## SUMMER BEDDING PLANTS

This stock is grown in greenhouse in 2 and 2½-inch pots and is ready from early April until in June. If wanted by mail, add 20c per dozen.

	Each	Doz.
Antirrhinum (Snapdragon), assorted.....	\$0.10	\$0.75
Asters, Branching, assorted colors.....	.05	.35
Carnations, assorted colors.....	.10	.90
Cosmos, early flowering, mixed.....	.10	.60
Coleus, assorted varieties.....	.10	.90
Cobaea Scandens, rapid climber, 4-inch pot, each.....	.25	...
Chrysanthemums, perennial varieties.....	.10	.90
Daisy, English, double, pink and white.....	.10	.75
Feverfew, double, white.....	.10	.90
Forget-Me-Nots, blue .....	.10	.75
Fuchsias, single and double.....	.10	.90
Geraniums, single and double, assorted.....	.10	.90
Heliotrope .....	.10	.90
Ivy, English and German.....	.10	1.00
Lobelia, blue .....	.10	.75
Marguerites, white, also yellow.....	.10	.90
Moonflower, white, 4-inch pot, each.....	.25	...
Petunias, single, assorted.....	.10	.75



Petunias double, from cuttings, 3-inch pots.....	.15	1.25
Phlox, Drummondii, Grandiflora, mixed.....	.10	.75
Salvia, Scarlet Sage, 3-inch pots.....	.15	1.25
Stocks, German Ten Weeks, mixed.....	.10	.75
Verbenas, Mammoths, assorted.....	.10	.75
Violets, sweet scented.....	.10	.90
Vincas, for hanging baskets.....	.10	1.00

The following can be supplied also in neat baskets, roots wrapped, or in soil. Can't be mailed.

Alyssum, white, per basket of 12.....	\$0.35
English Daisy, pink and white, per basket of 6.....	.35
Forget-Me-Not, blue, per basket of 6.....	.35
Lobelia, blue, per basket of 6.....	.40
Pansy Plants, selected colors, per basket of 12.....	.35
Pansy Plants, average stock, per basket of 12.....	.25
Violets, blue, sweet scented, per basket of 6.....	.50

## Summer Flowering Plants—Tender

All bulbs are prepaid unless notated otherwise.

### BEGONIAS — Tuberous Rooted

Single, white, scarlet, yellow, pink; each, 10c; 3 for.....	\$0.25
Double, white, scarlet yellow pink; each, 15c; 2 for.....	.25

### CALADIUMS — Elephant's Ears

Good averaged size bulbs, dormant; each, 15c; 2 for.....	\$0.25
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### CALLAS

White Calla, the old favorite; each, 15c; 2 for.....	\$0.25
Yellow Calla, a beautiful yellow; each.....	.25
Spotted Calla, spotted foliage; each, 10c; 3 for.....	.25

### CANNAS — All Up-to-Date Varieties

Prices—Single bulb, 10c; 3 for 25c; 12 for 90c.

Austria, bright lemon yellow with red spots.
Flambeau, green foliage, vermilion orange, 5 to 6 feet.
Indiana, orchid flower of fiery, velvety orange, 5 feet.
King of Bronzes, rich red, bronze foliage, 6 to 7 feet.
King Humbert, largest scarlet, streaked gold, 3½ feet.
Louisiana, large, deep crimson, crinkly edge, 5 to 6 feet.
Mephisto, darkest red of all cannas, 3 to 5 feet.
Moonlight, small, creamy white, green foliage, 4 feet.
Venus, combination of pink and gold, lovely, 3 to 4 feet.
West Grove, deep cerise pink with green foliage, 4 feet.
Unnamed Cannas, in assortment; each, 10c; 12 for 60c.

Order your Canna Bulbs early in March and April, thus getting them well started by planting time.

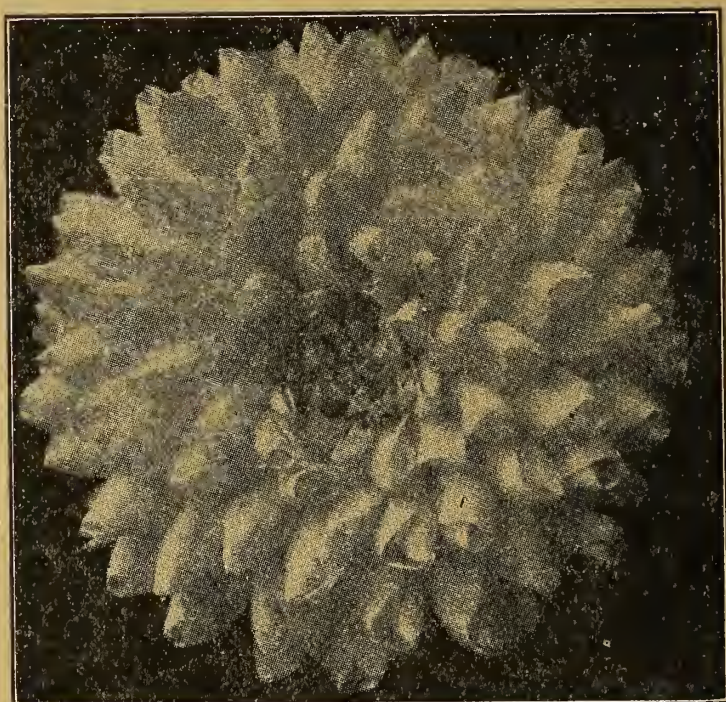
### DAHLIAS — All Wilmore's Stock

Our selection of Dahlias was made from the flowers in bloom at Wilmore's immense Dahlia Farm. The list we have chosen is varied in color and size and includes most of the very recent introductions. The tubers we send out are all good strong tubers and will be carefully marked.

### DAHLIA NOVELTIES

Delice—Exquisite rose pink, free bloomer; 20c each.
Grand Duke Alexis—Pure soft white tips, delicate pink; 20c each.
Souvenir de Gustave Douzon—A wonderfully large flower of intense red, immense double blooms; 20c each.
Twentieth Century—A beautiful single white, with center petals blush rose; 20c each.
Wilmore's Masterpiece—Gigantic flowers of clear, rich tango, borne on long stems; 50c each.

- Moonbeam (Decorative)**—Immense clear canary yellow flowers, free bloomer; 25c each.
- Meadow Gold (Decorative)**—Large flower, primrose yellow color, tinged with delicate pink; 25c each.
- Dr. I. B. Perkins (Show)**—An ideal white, large flower, long stems; 25c each.



**Dahlia — Grand Duke Alexis**

### CACTUS VARIETIES

- Mrs. H. J. Jones**—Salmon red, tipped with white; 15c each.
- Chipeta**—Mammoth flower, rich amaranth red; 50c each.
- Country Girl**—Flowers golden yellow suffused with salmon rose; 20c each.
- Rheinkönig**—An ideal white cactus; robust, healthy grower, immense snowy white flowers; 25c each.
- Kreimhilde**—Shell pink, shading to white in the center; 20c each.
- Standard Bearer**—Rich, fiery scarlet; 15c each.

### STANDARD DECORATIVE DAHLIAS

- Strong Tubers. Price**—15c each; \$1.50 per dozen, postpaid
- Black Prince**—Very dark, almost black; large flower, long stem.
- Crown of Gold**—Rich, bright tan or old gold; flowers well formed.
- Mrs. Hartong**—Very large and exquisite form; color, light fawn, suffused with pink.
- Glori de Lyon**—Pure white; fine, large flower.
- Kaiser Wilhelm**—Deep yellow, tipped with cherry red.
- Sultana (Decorative)**—Rich amber yellow, streaked and dotted with bright red.
- Golden Sun**—A large, massive flower, golden yellow, shaded lighter in the center.
- Autumn Glow**—A very large, full flower, blooming well above the foliage; color, bronze yellow, giving varied shades of autumn tints.
- Mrs. T. F. De Witt**—Clear amber yellow, fine form.
- Grand Mogul**—Scarlet tipped and streaked pure white.
- Governor Wilson**—A fine decorative Dahlia; bright, fiery scarlet.

### PEONY-FLOWERED DAHLIAS

- Bertha von Suttner**—3 ft. Exceptionally large flowers of a salmon pink color with yellow suffusion; 50c each.
- Coconina (1916)**—4 ft. Intense, vivid red produced on good stems, free bloomer; 25c each.
- Cleopatra**—4 ft. Oriental red, base of petals yellow, shading to bronze red; very showy; 25c each.



**Geisha**—4 ft. Petals very long, curved and twisted. A rich combination of scarlet and gold, shaded to amber yellow; a queen among Dahlias; 50c each.

**Phenomine**—4 ft. Rich cream pink, fine form, stems long, excellent cutting variety; 25c each.

**Queen Wilhelmina**—5 ft. Immense, fluffy flower of pure white with yellow center; 25c each.

**Souvenir Franz Liszt**—4 ft. Dark purple, maroon; veined and shaded with white; flowers very large and stems long; 25c each.

**Dr. H. H. Rusby (1912)**—5 ft. Very large, often 6 to 8 inches in diameter, an early and constant bloomer, producing its immense bright lemon flowers in profusion; plant vigorous and healthy, extra fine; 25c each.

**Temptation**—5 ft. Delicate creamy pink shaded to blush; stems long, an excellent cutting variety; 25c each.

### DAHLIA COLLECTION

Thirteen Dahlia Bulbs, no two alike, our choice, but not labeled, for \$1.00. An immense amount of flowers for the money.

### GLADIOLUS

All large, healthy, Colorado-grown bulbs, sure to please. Post-paid.

	Each	Doz.
America, soft lavender pink, large.....	\$0.05	\$0.40
Augusta, white with lavender markings.....	.05	.40
Glory, delicate cream pink, ruffled.....	.10	.90
Mrs. Francis King, intense pink, large.....	.05	.40
Niagara, primrose yellow, penciled carmine.....	.15	1.50
Peace, grandest of all white, large, tall.....	.15	1.60
Princeps, large crimson, white throat.....	.10	1.00
The King, violet specked with crimson.....	.15	1.25

#### Mixed Gladiolus

Our Mixture is a grand assortment; 12 for 35c; 100 for.....\$2.50

### OXALIS — Summer Flowering

White, also pink, separate; per doz.....\$0.15  
Dutch Grown, mixed; per doz......10

### TUBEROSES

Our Excelsior Dwarf Pearl are superior. Start early indoors, then replant later; each, 5c; dozen.....\$0.40

## Hardy Garden Lilies

All Postpaid

Auratum or Golden Banded Lily of Japan, large white with crimson spots; each, 20c; 12 for.....\$2.00  
Tigrinum Splendens, Tiger Lilies; each, 15c; 2 for 25c; 12 for 1.00

## Hardy Perennial Plants

All Postpaid

These are the popular varieties that do well in our western country. They are 1 and 2 years old.

**Prices**—Single plant, 15c; 2 for 25c; 12 for \$1.25. No extra charge for postage. When by express not prepaid, larger plants are sent.

Asters, White, profuse bloomer.

Asters, bright purple.

Asters, lavender blue.

Asters, light, reddish violet.

**HARDY PERENNIAL PLANTS**

Chrysanthemum, Double, white.  
 Chrysanthemum, Double, pink.  
 Chrysanthemum, Double, yellow.  
 Chrysanthemum, Double, crimson.  
 Campanula Media, Canterbury Bell, blue, white and rose.  
 Campanula Carpatica, Bellflower, harebell, blue and white.  
 Campanula Calycanthema, Cup and Saucer, assorted.  
 Columbine, Hybrida, Common, assorted colors.  
 Columbine, True Rocky Mountain, 2 and 3 year old roots.  
 Coreopsis, Lanceolata Grandiflora, a beautiful yellow.  
 Delphinium, Belladonna, turquoise blue.  
 Delphinium, Formosum, dark blue.  
 Digitalis, Foxglove, assorted colors.  
 Daisy, Shasta, Alaska, large white.  
 Daisy, King Edward, Giant, late.  
 Gaillardia, Grandiflora, orange, red, brown and crimson.  
 Gypsophila, Paniculata, the well-known Baby's Breath.  
 Helianthus Multiflorus, Hardy Sunflower, late bloomer.  
 Phlox, all colors.  
 Poppy, Orientale, large flaming scarlet.  
 Pinks, Hardy Garden or Grass Pinks, assorted.  
 Physostegia, Dragon Head, pink and white.  
 Platycodon, Grandiflora, Album, Giant White Harebell.  
 Platycodon, Grandiflora, Giant Blue Harebell.  
 Penstemon, Beard Tongue Flower, assorted colors.  
 Pyrethrum Roseum, Daisy-Like Flowers.  
 Rudbeckia, Golden Glow, a popular yellow flower.  
 Sweet William, Single and Double, assorted colors.  
 Statice, Latifolia, a popular lavender flower.  
 Valeriana, Garden Heliotrope, very fragrant.

**Hardy Perennial Roots****All Postpaid**

Bleeding Hearts, drooping, heart-shaped flowers, come very early in spring; each, 20c; 2 for.....\$0.35  
 Day Lily, the old-fashioned white garden lily, Funka Alba; each, 15c; 2 for..... .25  
 Hollyhocks, Choice Double, Colorado-grown, in separate colors, white, yellow, red, pink, blush and black; each, 10c; 3 for ..... .25

**IRIS — German**

The Poor Man's Orchid is suitable for any garden.

**Prices**—Any following named varieties, 10c each; 3 for 25c; 12 for 90c; all postpaid.

Black Prince, purple lilac, with velvety-black outer petals, very early, 24-inch.  
 Celeste, beautiful pale blue, medium, 36-inch.  
 Flavescens, cream color, known as Canary Bird, late, 30-inch.  
 Florentina Alba, white, very early, fragrant, 30-inch.  
 Khedive, lavender, medium, 30-inch.  
 Margolin, light yellow, medium, 30-inch.  
 Queen of May, rose lilac, early, 30-inch.  
 Sans Souci, golden with mahogany red outer petals, late, 30-inch.

**IRIS — Japanese**

Varieties in assortment; each, 20c; 2 for.....\$0.35  
**Book**, "The Iris Manual," by Harrison; price, 25c.

**PEONIES**

Our roots are Colorado-grown, and the varieties are suitable for good bloomers in Colorado.

Officinalis Rubra, early, bright crimson, not fragrant; 25c each.  
 Queen Victoria, beautiful white, fading to flesh color; 25c each.  
 Festiva Maxima, pure snow white, center cherry red; 35c each.



Jeanne d'Arc, brilliant deep pink (similar Golden Harvest); 25c each.

Lady Bramwell, a large ball of soft, silvery pink; 25c each.

Book, "The Peony Manual," by Harrison; price, 25c. Free with orders for Peonies amounting to \$2 or over.

## Popular Climbers from Bulbs

Tender and semi-hardy varieties that all do well in Colorado. All are postpaid.

Apios Tuberosa (Tuberous Wisteria), grows 8 to 10 feet; each, 10c; 4 for.....	\$0.25
Cinnamon Vine, green, glossy foliage; grows 15 to 20 feet; each, 10c; 3 for 25c; 12 for.....	.75
Madeira Vine, waxy green leaves, fast grower, tender; each, 5c; 12 for .....	.50

## Hardy Climbing Vines

No extra charge will be made for any of these Hardy Climbers by mail. You should order liberally.

Ampelopsis Quinquefolia, Virginia Creeper, a very quick grower; each, 20c; 3 for.....	\$0.50
Ampelopsis Veitchii, Boston Ivy; small foliage and clings to walls; each .....	.25
Bignonia Radicans, the popular Trumpet Creeper.....	.30
Clematis, Jackmanni; beautiful large purple flower.....	.35
Clematis, Jackmanni Rubra; large, red; each.....	.35
Clematis, Henryii, large, white; each.....	.35
One each of the above three Clematis for \$1.00.	
Clematis Paniculata, small, white; each.....	.30
Clematis, Colorado Wild or Western Virgin's Bower; white star flower; each.....	.25
Dutchman's Pipe, long pipe-shaped flowers; each.....	.50
Hop Vine, the Wild Hop; makes beautiful foliage; crown roots; each, 25c; small roots, each.....	.15
Honeysuckle, Japan (Halleana), pure white flowers, changing to yellow; each.....	.30
Honeysuckle, Scarlet Trumpet, red; each.....	.35
Kudzu Vine, quick grower, large leaves; each.....	.35
Wisteria Vine, purple; each.....	.35
Wisteria Vine, white; each.....	.40

## Hardy Flowering Shrubs

These are all field-grown, 2 years old, well rooted; should be transported by express; if must go by mail, the average cost is 15c each extra.

Almond, Double Flowering, rosette blossoms, pink; each.....	\$0.40
Almond, Double Flowering, rosette blossoms, white; each.....	.40
Almond, Double Flowering, rosette blossoms, red; each.....	.40
Althea, Rose of Sharon; double red, purple and white; each...	.30
Butterfly Plant, a new, beautiful shrub producing many purplish flowers on stems; each.....	.30
Calycanthus, Strawberry Shrub, double, fragrant; each.....	.30
Hydrangea Paniculata Grandiflora, pinkish white; each.....	.35
Honeysuckle Tartarian, red; each .....	.30
Honeysuckle Tartarian, white; each .....	.35
Lilac, Purple, the common purple variety; each.....	.25
Lilac, White, a beautiful clear white; each.....	.25
Lilac, Persian White, profuse bloomer; each.....	.35
Lilac, Persian Red, a bright color; each.....	.35
Japan Quince, Fire Bush, bright scarlet flowers; each.....	.30
Spirea, Bridal Wreath, Prunifolia; each.....	.30
Spirea, Van Houttii, pure white flowers; each.....	.35
Snowball, Common, the popular white flower; each.....	.30
Snowball, Japanese, large beautiful white; each.....	.40

# Hardy Ever-Blooming Roses

All outdoor-grown, two-year-old stock, and many are on their own roots. Ready in March, April and May.

**Prices**—Single Rose, 35c; 3 for \$1.00; 12 for \$3.00. If wanted by mail, add 5c each; 10c for 3 plants.

## Reds

American Beauty, bright crimson, large and fragrant.

Gen. Jacqueminot, crimson, large and fragrant.

Ulrich Brunner, large cherry red, fine form.

## Pinks

Magna Charta, bright rose pink, very fragrant.

Paul Neyron, deep rose, large and very hardy.

## White

Frau Karl Druschke (White American Beauty), snow white.

Madam Plantier, pure white, sweet scented, very hardy.

## Yellow

Yellow Persian, old-fashioned, semi-double, yellow.

## DWARF ROSES

Suitable for pots and border bedding.

Crimson Baby Rambler, a wonderful little rose.

Pink Baby Rambler, like above except in color.

White Baby Rambler, pure white and very fragrant.

## HARDY CLIMBING ROSES

Crimson Rambler, bright crimson flowers in clusters.

Dorothy Perkins, beautiful deep pink borne in clusters.

Baltimore Belle, blush white, very hardy.

Yellow Rambler, bright yellow, changing to canary yellow.

Blue Rambler, opens a reddish-lilac, changes to steel blue.

Thousand Beauties, a new variety, opening a delicate pink and changing to rosy carmine; profuse bloomer.

Climbing American Beauty, same color, size and fragrance as American Beauty, but of climbing habit; price, 50c each.

# Grass and Field Seeds

Values in this line are constantly changing. We give prices here for small quantities. However, when orders are filled we will give customer benefit of the lowest market. Let us quote prices when you are ready to buy quantities.

When wanting Grass and Field Seeds by mail, please add postage at the regular zone rates.

## SEEDS FOR THE LAWN

Kentucky Blue Grass, extra fancy grade; 1 lb., 30c; 3-lb.

pkg., 75c; 5-lb. sack, \$1.15; 10-lb. sack, \$2.10; 25-lb. sack...\$5.00

White Clover, Fancy Dutch (supply is very limited on account of the war); ¼-lb., 20c; ½-lb., 40c; 1lb..... .75

English Blue Grass (Meadow Fescue), very hardy; 1b., 20c;

3 lbs., 50c; 10 lbs..... 1.40

Perennial Rye Grass, Australian, suitable for lawns; 1b., 15c;

5 lbs., 70c; 10 lbs..... 1.25

## GRASS SEEDS

	Per lb.	10lbs.	25lbs.
Timothy, Choice Western Seed.....	\$0.15	\$1.35	\$3.00
Red Top, Fancy Hulled.....	.25	2.25	5.25
Orchard Grass, Choice.....	.25	2.25	5.25
Brome Grass, Awnless.....	.20	1.75	4.00
Sudan Grass, the new, great forage crop for dry lands .....	.75	7.00	16.25



## ALFALFAS AND CLOVERS

	Per lb.	10 lbs.	25 lbs.
Alfalfa, Fancy Domestic .....	\$0.20	\$1.80	\$4.50
Alfalfa, Choice .....	.20	1.75	4.40
Alfalfa, Grimm's Hardy .....	.75	6.50	...
Alfalfa, Turkestan .....	.25	...	...
Red Clover, Western-grown.....	.25	2.75	6.25
Alsike Clover, Swedish Clover.....	.25	2.25	5.25
Sweet Clover, White, Hulled .....	.30	2.75	6.50
Sweet Clover, Unhulled, Clean .....	.20	1.60	3.50
Crimson Clover .....	.20	...	...

## MILLETS

Colorado Golden, Dry Land.....	\$0.10	\$0.50	...
Siberian or Red Russian.....	.10	.50	...
Manitoba or Hog.....	.10	.60	...
Japanese or Billion-Dollar Grass.....	.15	1.25	...

## FORAGE AND FODDER PLANTS

Early Amber Cane.....	\$0.10	\$0.75	\$1.25
Feterita .....	.10	.75	1.25
Kaffir Corn, white.....	.10	.60	1.00
Milo, yellow .....	.10	.60	1.00
Milo, Dwarf, Straight Neck.....	.10	.75	1.25
Essex Rape, imported.....	.15	1.25	...
Vetches .....	.20	1.50	...

## Grain Seeds

Postage Extra at Zone Rates. No Charge for Sacks.

	Per lb.	10 lbs.	25 lbs.
Wheat, Pedigreed Defiance .....	...	\$0.50	\$1.25
Wheat, Macaroni, for dry land.....	...	.50	1.25
Wheat, Marquis, new, from Dakota.....	...	.60	1.25
Barley, Scotch .....	...	.40	.85
Barley, White, Hulless .....	...	.50	1.00
Barley, California Feed .....	...	.40	.90
Oats, Swedish Select .....	...	.50	1.00
Oats, New Market .....	...	.50	1.00
Oats, Early Kherson, dry land seed.....	...	.50	1.00
Spring Rye, dry land seed.....	...	.40	.85
Fall or Winter Rye.....	\$0.10	.40	.90
Speltz or Spring Emmer.....	...	.50	1.00
Flax, recleaned seed.....	.10	.80	1.75
Buckwheat .....	.10	.65	1.35

## MISCELLANEOUS FIELD SEEDS

	Per lb.	10 lbs.	25 lbs.
Beans, Navy, white .....	\$0.15	\$1.40	\$3.50
Beans, Mexican or Pintos.....	.15	1.00	2.40
Beans, Tepary, new, small, white.....	.15	1.25	2.75
Beans, Soja .....	.15	1.25	2.50
Peas, Colorado Field Peas.....	.10	.75	1.75
Peas, White Canada .....	.10	.80	1.75
Peas, Southern Whippoorwill .....	.10	.80	1.75
Broom Corn, Oklahoma Dwarf.....	.10	.75	1.50
Sunflower, Mammoth Russian.....	.15	1.20	...
Peanuts, Spanish .....	.20	1.50	...
Peanuts, Virginias; ½-lb., 15c.....	.25	...	...

GRASS SEED SOWERS—We carry an assortment from \$1.25 to \$3.50 each. See page 39.

## TESTED SEED CORN

Price—Single lb., 10c; 3 lbs., 25c; 10 lbs., 75c; 25 lbs., \$1.50. If wanted by mail, add postage.

White Australian, 90-day flint; endures drought well.

Swadley, 90-day dent, second choice for hardness.

Colorado Yellow Dent, 90-day dent, suitable for Colorado.

Pride of the North, 95-day dent, yellow.  
 Improved Leaming, similar to Pride of the North.  
 Iowa Silver Mine, 100-day white dent, heavy yielder.  
 Minnesota No. 13, yellow dent, new.

THE ROTARY CORN PLANTER will save you much time in planting, and costs only \$1.50. Weighs 8 lbs.

### SEED POTATOES

It is too early in season to make prices for large lots. Small quantities we can supply as follows: 4 lbs., 25c; 10 lbs., 50c; postage extra.

Early Ohio, pink skin, oblong, early and reliable.  
 Early Six Weeks Rose Seedlings.  
 Red McClure, general crop variety.  
 Mammoth Pearl, large, white, excellent for dry land.

TUBULAR HAND POTATO PLANTER is useful when putting in your potato crop; costs \$1.25; not prepaid; 7 lbs.

We make no charge for packing, carting or shipping. To customers in Denver we deliver free by Auto Delivery. WE CAN PLEASE YOU IN EVERY WAY.

## Fertilizers

**These Prices Do Not Include Postage, Except as Stated**

Ivy Lawn Fertilizer, contains 5 per cent ammonia, 9 per cent available phosphoric acid, 1 per cent potash, with other valuable plant foods; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.35; 100-lb. sack.....\$2.50  
 Fine Bone Meal, an excellent fertilizer, especially for Sweet Peas; same price as Ivy Lawn Fertilizer.  
 Vegetable Grower, suitable for all garden crops, etc.; 25 lbs., 65c; 50 lbs., \$1.25; 100-lb. sack..... 2.25  
 Sheep Manure, pulverized, pure; 50-lb. sack, 60c; 100-lb. sack 1.00  
 Land Plaster; 50-lb. sack, 60c; 100-lb. sacks..... 1.00  
 Nitrate of Soda (supply cut short on account of war); 1 lb., 10c; 10 lbs., 90c; 25 lbs., \$2.00; 100 lbs..... 7.00  
 P.-H. Plant Food, for house plants; 10-oz. can, 10c; by mail, 13c; 20-oz. can, 15c; by mail..... .25  
 Sterlingworth Plant Tablets, dissolve in water; trial size, 10c; medium size (100 tablets), each, postpaid..... .25  
 Nitrogen Bacteria, suitable to use with all kinds of Legume crops. Must be applied direct onto the seed before planting. We can supply separate packages for Clovers and Alfalfas; one for all Peas; one for all Beans; trial size for 30 lbs. seed, 50c; enough for 60 lbs., postpaid..... 1.00

### PEST EXTERMINATORS

Creosote, to kill dandelions, etc.; 1-gal. cans (cannot be mailed) .....\$0.70  
 Peerless Gopher Killer (cannot be mailed); qt. .... .75  
 Peerless Bug Killer, for bedbugs; 8-oz. bottle..... .25  
 Poisoned Wheat; sample pkg., 10c; ½-lb. pkg., 20c; lb. (postage extra) ..... .35  
 Sulphate of Iron, to use in killing dandelions; lb., 10c; 5 lbs., 25c; 30 lbs. (postage extra)..... 1.00  
 Sterlingworth Weed Killer; in cans, 50c; by mail..... .60  
 Cut Worm Killer, a prepared powder; 16-oz. can, 25c; by mail, 35c; 5-lb. can (if by mail postage extra)..... 1.00  
 Rat Corn, it mummifies them; per can, 25c, 50c and..... 1.00

### INSECTICIDES

Our goods all comply with requirements of the United States Insecticide Laws. Liquids should be sent by express.

Arsenate of Lead, paste form; lb. jar, 30c; 5-lb. can, \$1.00.  
 Powder form, ½-lb., 30c; lb.....\$0.50  
 Larger quantities on application.



Paris Green; ¼-lb. pkg., 25c; ½-lb. pkg., 40c; lb. pkg., 75c;	
2-lb. pkg., \$1.40; 5-lb. pkg. (not by mail).....	3.50
Formaldehyde, standard strength; lb. bottle (can't be mailed)	.50
Blue Vitriol, sulphate copper; lb., 35c; 3 lbs.....	1.00
Bordeaux Mixture, liquid; qt., 50c; gal. can.....	1.50
Kerosene Emulsion, liquid; qt., 50c; gal.....	1.50
Chloroleum; trial bottle, 25c; pt., 40c; qt., 60c; 2 qts., 90c;	
gal. ....	1.50
Lime-and-Sulphur Solution; qt., 25c; gal., 60c; 5 gals.....	2.25
Whale Oil Soap (Fish Oil); lb. carton, 25c; by mail, 30c;	
5-lb. box, \$1.00; by mail.....	1.25
London Purple; lb. pkg.....	.35
Magic Sticky Tree Cord; per pkg.....	.25
Magic Sticky Fly String; per pkg.....	.15
Aphine, liquid; ¼-pt., 25c; by mail, 30c; ½-pt., 40c; by mail,	
50c; pint, 65c; by mail, 80c; quart, \$1.00; gallon.....	\$2.50
(Quarts and gallons must go by express.)	
Persian Insect Powder; ¼-lb., 25c; ½-lb., 45c; lb. (postage	
extra) .....	.80
Fir Tree Oil; ½-pt. can, 75c; by mail.....	1.00
Sulpho-Tobacco Soap; 8-oz. cake, 20c; by mail, 25c; 3-oz.,	
10c; by mail.....	.13
Slugshot, Hammond's; lb., 15c; by mail, 23c; 5-lb. pkg., by	
express .....	.50
Grape Dust, for mildew on plants; 5-lb. pkg.....	.50
Sulphur, Powdered, fine; lb., 10c; 4 lbs., 25c; 25 lbs., 90c;	
100-lb. sack (postage extra).....	2.75
Rose Nicotine, liquid; trial size, 10c; by mail, 12c; medium	
size, 25c; by mail, 30c; large size, 50c; by mail.....	.60
Tobacco Dust; lb., 10c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.50;	
100 lbs. (postage extra) .....	4.25
Tobacco Stems; 10 lbs., 40c; 25 lbs. (postage extra).....	.75
White Hellebore; ¼-lb. pkg., 15c; ½-lb. pkg., 25c; 1-lb. pkg.	
(postage extra) .....	.45
Avenarius Carbolineum, lice killer and wood preserver; per	
quart can, 50c; 1 gal.....	1.50

## Sprayers and Spray Pumps

Not Prepaid Except Where Noted

Little Giant Bucket Pump, Imperial nozzle and foot-rest;	
weighs 6 lbs.; complete.....	\$3.50
Brass Bucket Pump No. 324, double tube, has two nozzles and	
foot-rest; weighs 7 lbs.; complete.....	4.00
Brass Bucket Pump No. 325, lever handle, fits bucket, also	
barrel; Vermorel and Imperial nozzles, double tube; weighs	
10 lbs.; all complete.....	5.00
Myers' Barrel Spray Pump No. 311-B, double-acting, with 15	
feet of hose, mechanical agitator and Vermorel nozzle; all	
ready for use .....	13.00
Myers' Improved Barrel Spray Pump No. 318-B, cog gear,	
lever pump with 15 feet of hose, mechanical agitator and	
Vermorel nozzle, \$10; pump only.....	8.50
Myers' Steel Barrel Cart, 36-inch wheels, 3-inch tire, all ready	
for barrel .....	7.00
Myers' Handy Portable Sprayer; has galvanized tank, hold-	
ing 12½ gals.; on wheels; includes 15 feet hose, two 4-foot	
iron extensions, nozzle, etc., all ready for use; weighs	
25 lbs. ....	18.00
Myers' Knapsack No. 330, galvanized tank, hose, stop-cock,	
pipe extension and Bordeaux nozzle.....	7.50
Myers' Double-Acting Cog Gear Century Spray Pump No.	
R-309-C; complete with pressure gauge, 2 lengths ½-inch	
7-ply, 6-foot suction hose and nozzles.....	25.00
Myers' O. K. No. 307-C Cog Gear Barrel Pump, two leads, 15	
ft. 7-ply ½-inch hose, nozzles and mechanical agitator;	
complete .....	18.00
Madoc Brass Bucket Pump, double-acting with foot-rest, fine	
for whitewash; price.....	3.50

Brandt No. 3 Compressed Air Sprayer, galvanized tank, capacity 3 gallons, weight 6 lbs., fine for spraying cabbage or vines; price .....	6.50
Brand Easy Sprayer, compressed air, weight 3 lbs., capacity 1 gal; has automatic shut-off nozzle; price, galvanized, \$3.00; all brass .....	4.50
Junior No. 5 Brass Spray Pump, works from bucket, barrel or stream; very novel and serviceable; complete.....	3.50
Novelty Tin Sprayer, for use in a bucket, with 4 tin nozzles; each .....	1.00
Atomizer, all tin, very substantial; makes fine mist for insecticides, etc.; only.....	.50
Scollay's Rubber Plant Sprinkler; each, \$1.00; by mail.....	1.05

### EXTRAS FOR ABOVE SPRAYERS

#### NOZZLES

Bordeaux Special No. 1378; each (postpaid).....	\$0.75
Graduating Vermorel No. 1564; each (postpaid).....	.75
Imperial No. 642, makes all sprays; each (postpaid).....	.40
Myers' Double Vermorel No. 1065; each (postpaid).....	1.50
Myers' Triple Vermorel No. 1066; each (postpaid).....	1.75
Lever Control Nozzle, fits any make; each (postpaid).....	1.25

#### EXTENSIONS

Iron, 8-ft., all fitted.....	\$0.75
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### THE AUTO-SPRAY — Compressed Air

No. 1-C. Galvanized tank with stop-cock nozzle .....	\$5.00
No. 1-D. Galvanized tank with auto-pop nozzle .....	5.50
No. 1-A. Brass tank with stop-cock nozzle .....	7.25
No. 1-B. Brass tank with auto-pop nozzle .....	7.75

#### EXTRAS FOR AUTO-SPRAY PUMPS

Brass Extensions, 2-ft., all ready to attach; each.....	\$0.45
Elbow or Under-Spray Attachment, brass; each.....	.35
Strainer; each .....	.90
Two-Row Attachment; each.....	.35

### POWDER BLOWERS

Bellows, with reservoir, No. 16; each.....	\$1.25
"Jumbo" Powder Gun, holds 4 oz., 25c; by mail.....	.28
"Star," small size, 10c; by mail.....	.12

## Dandelion Destroyer Tools

Dandy Dandelion Destroyer, a brass tube carrying liquid that is injected into the roots; each.....	\$1.75
"Erado" Dandelion Digger, has tube for creosote or other liquid, Style A, galvanized cylinder; each.....	.75
Simplex Dandelion Puller; it clamps, then pulls; each.....	.45
Dandelion Knife, long blade; each, 40c; by mail.....	.45

## Lawn Requisites

"Perfect Clinching" Brass Hose Coupling; per set, 20c; by mail .....	\$0.23
"Perfect Clinching" Hose Menders, brass tube, with plated steel clamps; each, 10c; 3 for (postpaid).....	.25
Hose Menders, "Magic" Wire Bands; 2 for (postpaid).....	.05
Grass Catcher, all canvas; each.....	.50
Grass Catcher, canvas with metal bottom.....	.75

#### HOSE NOZZLES

Lawn Twin, very durable; each.....	\$0.30
Fan Spray, fan-shaped spray; each.....	.25
Rose Nozzle, brass, 3-inch face; each.....	.50



O. K. Adjustable, has many combinations of sprays, all brass, 75c; part brass (either by mail, 5c extra).....	.65
Lawn Rake, "Queen City," reversible, 24 teeth; each.....	.50
Grass Trimming Shears, good steel, 50c; by mail.....	.55
Grass Trimming Shears, common grade, 35c; by mail.....	.40
Miniature Scythe or Grass Hook; each.....	.40

### SHEARS AND PRUNERS

Tree Pruners, Fresno pattern, 26-inch; each.....	\$1.75
Tree Pruners, San Jose pattern, 26-inch; each.....	1.00
Kansas Pruning Shears, 7-ft., automatic; each.....	3.00
Detroit Pruning Shears, 8-ft. handle; each.....	1.75
Happy Thought Pruner, for trimming tips of branches, 8-ft. handle; each .....	1.75
Elmira Long Handle Pruning Shears, 10-ft.....	1.00
Elmira Long Handle Pruning Shears, 12 ft.....	1.25
Shears, Cronk's No. 200, low grade; each, 25c; by mail.....	.30
Cronk's No. 17, detachable blade; each, 50c; by mail.....	.55
Cronk's No. 9, coil spring; each, \$1.00; by mail.....	1.05
Cronk's No. 27, tempered blades; each, \$1.15; by mail.....	1.20
Grape Shears, No. 202; each (postpaid).....	.40

## Small Garden Tools

Not Postpaid Unless So Noted

### GARDEN HOES

Common Hoe, riveted, regular size; each.....	\$0.25
Solid Shank Socket, high grade, regular size; each.....	.50
Ladies' Hoe, medium size, riveted to blade; each.....	.40
Heavy, Large Garden Hoe, 6-ft. handle, 10-in. blade, solid shank; each .....	.80
Weeding Hoe, one prong, polished steel blade; each.....	.30
Weeding Hoe, two prong, polished steel blade; each.....	.35
Combined Hoe and Five-Point Weeder; each.....	.40
Weeding Cultivator, 3-prong, full length handle; each.....	.50

### GARDEN RAKES

Ideal, steel, bow braces to handle; 12 teeth, 45c; 14 teeth, 50c; 16 teeth .....	\$0.60
Champion, all wrought steel, polished; 14 teeth.....	.60
Victor, curved teeth, wrought steel, light; 14 teeth.....	.40

### GARDEN SPADES

Good grade, socket, solid "D" handle; each.....	\$0.75
High grade, socket, heavy, solid "D" handle; each.....	1.25
Spading Fork, good average tool; each.....	.75
Spading Fork, extra strong; each.....	1.00

### GARDEN TROWELS

All steel, solid one piece, heavy; each, 50c; by mail.....	\$0.55
All steel, medium heavy; each, 25c; by mail.....	.28
"Never Break," very strong; each, 15c; by mail.....	.18
Cleves' Angular Transplanting Trowel, good for transplanting and digging dandelions; each, 20c; by mail.....	.23
Transplanting Hoe Trowel, 7-in.; each, 35c; by mail.....	.40
Bulb Trowel, oval shape; special, each, 50c; by mail.....	.60
Plant Dibber, steel point, wooden handle; each, 30c; by mail.....	.35
Garden Lines; 100 ft., 30c; by mail.....	.35

### HAND WEEDERS

Lang's, a very useful small tool; each, 20c; by mail.....	\$0.25
Hazeltine's, larger than Lang's; each, 25c; by mail.....	.30
Excelsior, has five teeth; each, 10c; by mail.....	.15
Midget, hand-weeder; each .....	.35
Combination Hoe and Cultivator.....	.35
Handy Weeders; each .....	.25

## MISCELLANEOUS GARDEN REQUISITES

Glazing Points, Perfection, 1,000 in box; per box, 60c; by mail .....	\$0.70
Mastica Liquid Putty, in gallon cans; each.....	1.50
Mastica Putty Machines; each, \$1.35; by mail.....	1.50
Scollay's Rubber Putty Bulb; each, \$1.00; by mail.....	1.05
Grafting Wax; ¼-lb. cake, 15c; ½-lb. cake, 20c; 1-lb. cake (postage extra) .....	.35
Norcross Hand Weeder, 3-prong, 75c; 5-prong.....	1.25
Twine for tying celery, etc., 3-ply jute, 8-oz. balls; each.....	.15
Sewing Needles, straight and curved, 5 and 6 inch; each, 10c; 3 for .....	.25

## THERMOMETERS

Greenhouse, carefully tested, 10-inch case, japanned; each (postpaid) .....	\$1.25
Greenhouse, 8-inch, japanned case; each (postpaid).....	.40
Mushroom or Hot Bed, No. 5981, 16-inch, wood frame, brass pointed, high grade; each (not prepaid).....	2.00

## LABELS

	Postage Extra	Per 12	100
Pot, 4-inch, plain.....		\$0.05	\$0.20
Pot, 6-inch, plain.....		.05	.20
Garden Stake Labels, 12-inch, plain.....		.15	.70
Tree, copper wired, plain.....		.05	.20

## Flower Pots and Saucers

## Plain Standard Earthen Flower Pots

		Per	
		12	100 1,000
Size 2 inch diameter.....	\$ 0.15	\$ 0.80	\$ 6.00
Size 2½ inch diameter.....	.20	1.00	7.25
Size 3 inch diameter.....	.30	1.50	10.50
Size 4 inch diameter.....	.45	2.00	15.00
Size 5 inch diameter.....	.60	4.00	27.00
Size 6 inch diameter.....	.75	5.00	37.00
Size 7 inch diameter.....	1.00	7.00	53.00
Size 8 inch diameter.....	1.40	10.00	80.00
Size 10 inch diameter.....	2.00	18.00	133.00
Size 12 inch diameter; each, 75c.....	6.00	....	....
Size 18 inch diameter; each, \$2.00.....	16.00	....	....

## Plain Standard Earthen Flower Pot Saucers

		Per	
		12	100 1,000
Size to fit 4 inch pot.....	\$ 0.25	\$1.25	\$ 8.00
Size to fit 5 inch pot.....	.40	2.00	14.00
Size to fit 6 inch pot.....	.50	3.00	20.00
Size to fit 7 inch pot.....	.60	4.00	28.00
Size to fit 8 inch pot.....	.75	6.00	42.00
Size to fit 10 inch pot.....	1.25	9.00	70.00
Size to fit 12 inch pot; each, 40c.....	3.35	....	....
Size to fit 18 inch pot; each, 75c.....	8.00	....	....

## Hyacinth Glasses

In addition for hyacinth growing, they make excellent vases for flowers, especially sweet peas and nasturtiums.

Each, 20c; 2 for 35c. Not by mail.

## Neponset Waterproof Fiber Flower Pots

		Per	
		12	100 1,000
Size 2¼ inch, 1,000 in crate.....	\$0.10	\$0.35	\$ 3.00
Size 3 inch, 1,000 in crate.....	.15	.60	5.00
Size 4 inch, 500 in crate.....	.20	1.00	8.00
Size 5 inch, 500 in crate.....	.30	1.50	13.00



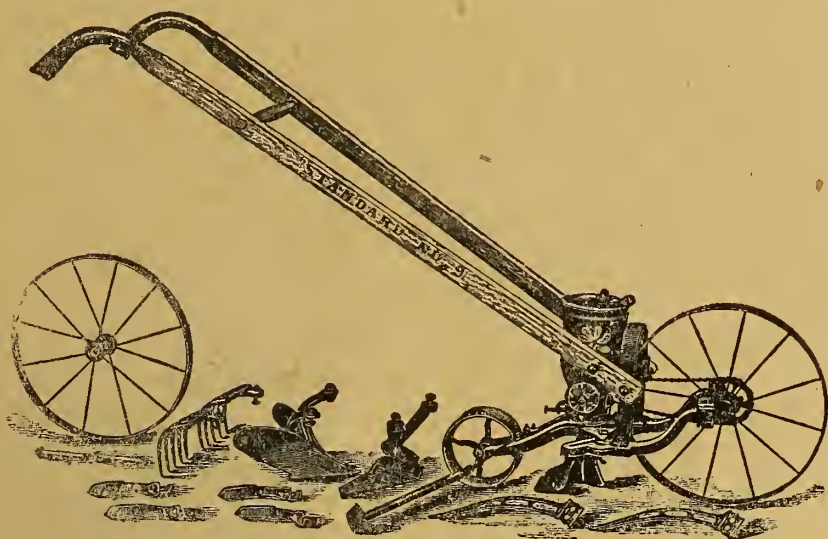
## HANGING BASKETS

Wire, with wire hanger, 8 inch plain top. Each.....	\$0.12
Wire, with wire hanger, 10 inch plain top. Each.....	.15
Wire, with wire hanger, 12 inch plain top. Each.....	.20
Wire, with wire hanger, 14 inch plain top. Each.....	.25
Wire Baskets with Fancy Tops, 5c each extra.	
Natural Sheet Moss, for lining Hanging Baskets; $\frac{1}{4}$ -lb., 15c;	
lb. ....	.40
Sphagnum Moss, suitable for use in Hanging Baskets; lb.,	
15c; 2 lbs., 25c; 10 lbs.....	1.00

## Implements

### SEED SOWERS AND PLANTERS

Cahoon Patent Hand Seed Sower, weighs 9 lbs.; price.....	\$3.50
The Cyclone Hand Seeder, weighs 5 lbs; price.....	1.50
Little Wonder Broadcast Sower, weighs 4 lbs.; price.....	1.25
Diamond Rotary Corn and Bean Planter, 8 lbs.; price.....	1.50
Triumph Corn Planter, adjustable, 7 lbs.; price.....	1.00
Peerless Hand Potato Planter, tubular, 7 lbs.; price.....	1.25
Black Hawk Grist Mill, weighs 18 lbs.; price.....	3.50
Apache Grist Mill with balance wheel.....	5.50
Black Hawk Corn Sheller, weighs 15 lbs.; price.....	2.75
Handy Corn Sheller for small cob corn; price.....	1.75



No. 1 Combined Seeder and Wheel Hoe

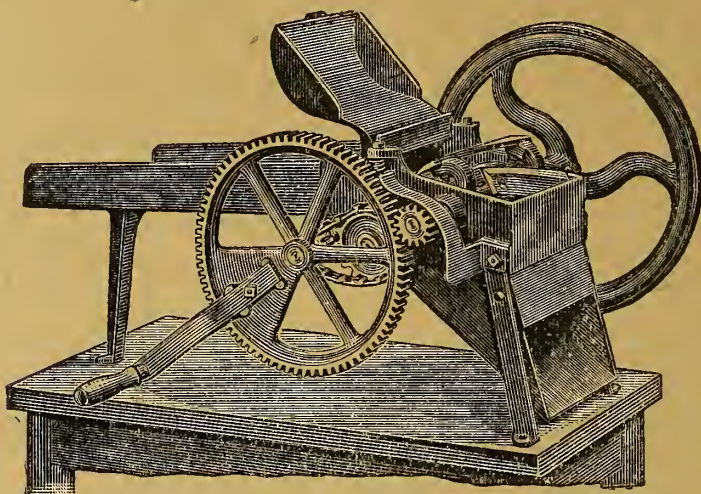
### STANDARD GARDEN TOOLS

No. 9 Combined Hill and Drill Seeder, with Cultivator and Wheel Hoe Attachments.....	\$12.50
No. 14 Plain Hill and Drill Seeder only.....	9.00
No. 4 Double Wheel Hoe and Cultivator.....	7.50
Iron King High Wheel Cultivator, all steel, five tools.....	3.50

## Bird Foods

Bird Seed Mixture in bulk; 3 lbs. for 25c; 6 lbs. for (postage extra) .....	\$0.50
Canary Seed, re-cleaned; 1 lb., 15c; 2 lbs., 25c; 5 lbs.....	.60
Hemp Seed; 1 lb., 15c; 2 lbs. for.....	.25
Rape Seed, imported; 1 lb., 15c; 2 lbs.....	.25
Large Millet; 2 lbs., 15c; 5 lbs., 25c; 12 lbs.....	.50
Common Millet; 2 lbs., 15c; 6 lbs., 25c; 15 lbs.....	.50
Sunflower for Parrots; 1 lb., 15c; 2 lbs., 25c; 5 lbs. for.....	.50
Cuttle Bone, per piece, 5c; 4 pieces for 15c; $\frac{1}{4}$ -lb. for.....	.30
Bird Sand, gray, in cartons; each, 5c; bulk, 5 lbs.....	.25
Bird Gravel from the Atlantic Ocean, white; per pkg.....	.10
Bird Manna, ready to attach to cage; each .....	.15

## "New Model" Clover Cutter



The "New Model" Clover Cutter is designed for cutting either green or dry such growths as clover, alfalfa, vegetable tops, etc., into  $\frac{1}{8}$ -inch lengths. These growths are the cheapest and most productive egg-forming poultry foods for cold weather.

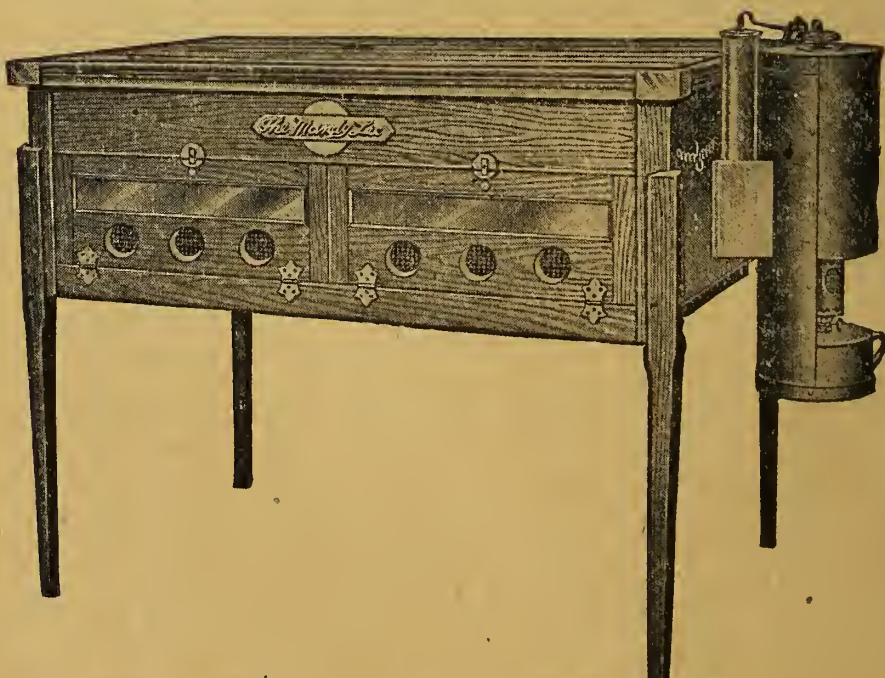
The feature that gives the "New Model" easy supremacy over similar machines is the cutting mechanism. The machine can be kept in perfect order at all times, because the cutter bar is adjustable and easily accessible, and the four 7-inch spiral steel knives can readily be removed for sharpening. Those who are familiar with "ordinary" cutter construction will appreciate these improvements.

The "New Model" is made only of iron and steel, from entirely new patterns; it is a strong feeder, has large capacity, runs unusually easy and will do perfect work indefinitely. Length over all, 28 $\frac{1}{2}$  inches. The machine is intended to be mounted on a box or bench at any height to suit the operator. Weight, 60 lbs.  
 Price .....\$10.00

## Poultry Supply Department

On Incubators and Brooders Freight Will Be Paid to Points East of the Rocky Mountains

### "MANDY LEE" INCUBATORS



Heat Quickly — Run Evenly — Regulate Automatically  
 Fresh Oxygen

Life-giving oxygen is freely supplied at the egg level when the chicks are coming out, without losing the moisture or lowering the temperature.



### Egg Level Ventilation

The new "Mandy Lee" has large ventilators in the lower part of the door. These openings are covered with finely woven brass wire cloth; through these ventilators fresh oxygen is constantly being supplied and the carbonic acid gas passing out. This diffusion of gases has no perceptible effect on the heat or moisture, but insures the chicks against suffocation at a time when the machine cannot be opened. The only perfect method of ventilation—no draft. No other incubator gives this important advantage.

Egg Tray has a combined wire and slat bottom, and can be used either way. Large machines are furnished with sectional trays and one extra tray for turning. This enables you to turn the eggs quickly and to change trays to any position in the egg chamber.

### Here Is the Rule

**HIGH HEAT** must have **LOW MOISTURE**. **LOW HEAT**, **HIGH MOISTURE**.

At 102 degrees, 50 to 55 per cent moisture is good, but for every degree of heat added moisture must drop 5 per cent to be safe.

The "Mandy Lee" is built to automatically meet these requirements—no other incubator can give as good results.

New Moisture Pan can be removed or refilled without opening incubator.

Drop Nursery Bottom, permitting removal of chicks without opening incubator.

Nursery Tray has a cloth bottom that can be turned up until the eighteenth day, thus cutting off the air space beneath the eggs.

### The Heating System

The heating system insures the same degree of heat to every egg and is an exclusive feature. Heat can be adjusted from end to end, and in the larger sizes from center to back and front. The heating pipes can be removed instantly for cleaning by drawing them out without removing the top. The hot air does not come in contact with the eggs as in other hot-air incubators, but warms them by radiation through the air-tight metal pipes. The control and adjustment is so perfect that the heat will vary but a fraction of a degree, even should the outside temperature change as much as 20 degrees.

### The Features of the "Mandy Lee" Heater

All parts exposed to heat are fully protected by sheet metal and asbestos.

A special burner with high wick tube and wide flame slot.

New Single-Walled Chimney increases the heating capacity, reducing the oil expense and lowering the outside temperature of the heater. It is also self-seating and is always in place.

A lamp bowl in one piece.

A special vent for any gas forming in the lamp.

A perforated sheet metal cylinder in top of heater, which puts out the lamp in case of accident.

A protecting circular shield guarding the body of the incubator.

As a further precaution the lamp cannot be filled without removing it.

A self-seating chimney.

The "Mandy Lee" is built of air-seasoned California redwood, is of handsome cabinet construction, with cherry finish, has heavy brass and bronzed metal trimmings, double glass doors and the double walls are insulated with from 1½ to 3 inches of asbestos or mineral wool. No other incubator is so well built.

The "Mandy Lee" is **GUARANTEED** to hatch bigger chicks, stronger chicks and more chicks that live than any other incubator or even the mother hen.

### Prices

60 Egg Size, weighs 90 lbs.; complete.....	\$ 9.00
100 Egg Size, weighs 140 lbs.; complete.....	18.00
150 Egg Size, weighs 160 lbs.; complete.....	24.00
240 Egg Size, weighs 216 lbs.; complete.....	30.00
300 Egg Size, weighs 285 lbs.; complete.....	35.00

“MANDY LEE” BROODERS

Direct Contact Heat

The idea of applying a soft contact heat direct to the backs of the chicks was never incorporated into anything practical until we began the manufacture of the “Mandy Lee,” nor until that time had the correct principle of brooding been recognized, namely, that the little chick cannot comfortably breathe the same heat required for giving a comfortable warmth to its body. By our method each chick always gets just that amount of heat it desires — no more and no less — natural heat in a natural way, and always breathing fresh, pure air. It’s nature’s method.

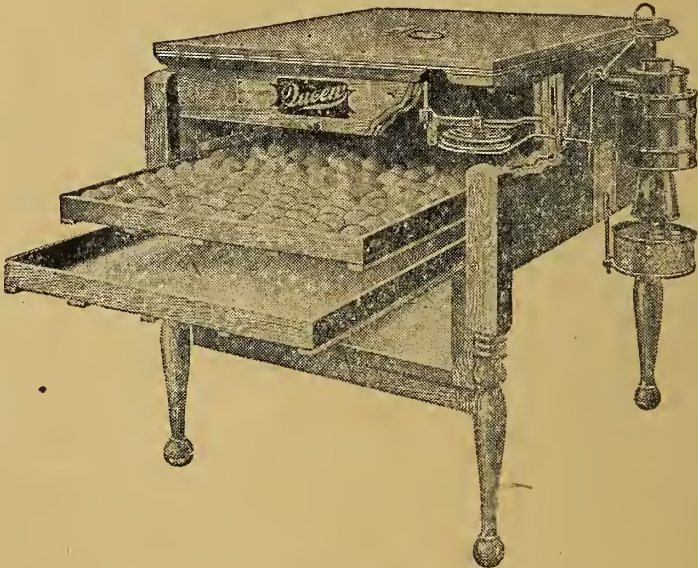
No. 1 Mandy Lee Primary Brooder; holds 100 chicks; weight, 130 lbs. ....\$13.00

QUEEN INCUBATORS AND BROODERS

(SOLD ON MERIT)

“Queen” Incubators are made of California Redwood, double case, each lined with asbestos felt; dead air space all around; extra heavy copper heaters and tanks with lock steam joints, making them indestructible; the improved heaters use all the heat generated — no oil loss. Large up-to-date sanitary nursing tray safety lamp, with seamless galvanized bowl that cannot leak. Faultless ventilation that requires no attention; regulators that control the temperature, making the “Queen” Incubators automatic and easiest to operate. Cost less than other standard incubators. The “Queen” is made for every-day use by work-every-day people, and will work successfully in any place where a hen might be housed.

The “Queen” Incubator as a whole is made to hatch chickens any time and under varying temperatures at a saving of your time and worry, and faster and for less expense than with the hens.



QUEEN INCUBATORS — Hot Water  
Prices

75 Egg Size; price.....	\$14.00
125 Egg Size; price.....	18.00
165 Egg Size; price.....	22.90
250 Egg Size; price.....	26.00
375 Egg Size; price.....	34.00

QUEEN INDOOR BROODERS

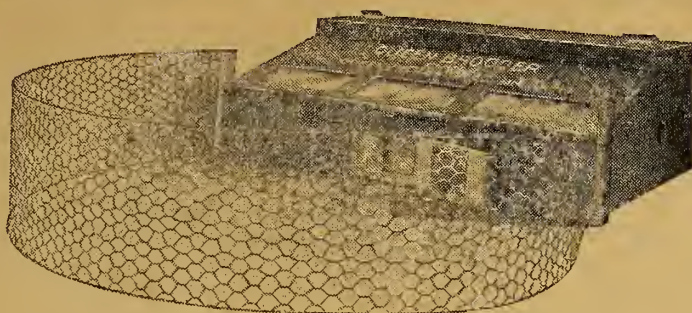
Last Long and Raise Healthy Chicks

Use little oil; no trouble to maintain heat in zero weather; perfectly ventilated; three different temperatures; chickens find their own comfort; no tin or black sheet iron, only heavy galvanized sheet steel — nothing to rust.

Prices

75 Chick Size.....	\$ 8.00
125 Chick Size.....	9.00
165 Chick Size.....	10.00
250 Chick Size.....	11.00





### QUEEN OUTDOOR BROODERS

125 Chick Size.....	\$14.00
165 Chick Size.....	16.00
250 Chick Size.....	18.00

### EXTRAS FOR INCUBATORS AND BROODERS

Lamp Bowls for No. 2 Burners, galv.; each, 50c; by mail....	\$0.60
Lamp Bowls for No. 3 Burners, galv.; each, 65c; by mail....	.75
Lamp Burners, No. 2, brass; each, 35c; by mail.....	.37
Lamp Burners, No. 3, brass; each, 50c; by mail.....	.55
Wicks, common, for all sizes; 2 for 5c; 12 for (postpaid)....	.20
Wicks, red felt, both sides; 3 for (postpaid).....	.10
Eocene Kerosene, for use in incubator lamps; 5-gal. can.....	1.50
Zero Safety Lamps, galvanized, each.....	1.75



Incubator Thermometer

### THERMOMETERS — All Postpaid

Incubator, "Tycos," Triangle; each .....	\$0.75
Incubator, "Tycos," Triangle, on legs .....	.75
Incubator, "Tycos," Triangle, Certified; each.....	1.25
Wires for holding Incubator Thermometers; each.....	.10
Brooder, "Tycos," mounted, "Read Easy"; each.....	.75
Brooder, Queen, mounted on wood; each.....	.40
Brooder, flat, unmounted; each.....	.35
Electric Light with battery, to illuminate face of thermometer in incubator; per set.....	1.25
Tycos Hygrometers; each.....	1.50
Lee's Hygrometers; each.....	2.50

### EGG TESTERS

X-Ray, the tin chimney fits to No. 2 and No. 3 lamp burner; each, 25c; by mail.....	\$0.30
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### CHICKEN MARKERS — All Postpaid

Philadelphia, 2 size punch hole; each.....	\$0.25
Petty Perfect Poultry Punch; each.....	.25
Acme Lever, spring lever; each.....	.25
Model Toe Marker, cuts very clean; each.....	.50

### EGG-O-HATCH

An application for eggs during incubation to strengthen the growing chick, weaken the egg shell and better the hatch. Price, 50c, postpaid.

### PIGEON BANDS

Steven's Colored, double numbered, assorted colors; 12 pairs for 50c; 25 pairs for 75c; 50 pairs for.....	\$1.25
Rabbit Ear Markers, Aluminum, numbered, put on with a pincher; 12 for 15c; 25 for (postpaid).....	.25

**LEG BANDS — All Postpaid**

Champion Aluminum, flat, numbered, plain; 12 for 15c; 25 for 30c; 50 for 50c; 100 for.....	\$1.00
Smith Sealed, fine for show bird, no duplicate numbers; 12 for 30c; 25 for 50c; 60 for \$1.00; 100 for (postpaid).....	1.50
Sealers for same; each.....	.60
Double Clinch Aluminum Bands; 12 for 15c; 25 for 30c; 50 for 50c; 100 for (postpaid).....	1.00
Celluloid, in five colors, three sizes, not numbered; 12 for 20c; 25 for 35c; 50 for 50c; 100 for.....	.90
Spir-Olets, for baby chicks and pigeons, all colors; 12 for 15c; 25 for 25c; 50 for 45c; 100 for.....	.80
Victor, Wide Aluminum, large colored figures; 12 for 35c; 25 for 60c; 50 for \$1.10; 100 for.....	2.00
Steven's Colored, many combinations of colors, 2½ and 3 inch, numbered; 12 for 35c; 25 for 60c; 50 for \$1.10; 100 for..	2.00
Steven's Colored, not numbered; 12 for 20c; 25 for 35c; 50 for 70c; 100 for .....	1.35

**CAPONIZING INSTRUMENTS — Postpaid**

Philadelphia, a complete set in plain box; price.....	\$2.50
Philadelphia, in a neat velvet box; price.....	2.75
Pilling's Farmers' Set, in a neat case; price.....	3.00

**KILLING KNIVES — Postpaid**

Pilling's Angular Poultry Killing Knife; each.....	\$0.50
French Poultry Killing Knife; each.....	.50

**NEST EGGS**

Porcelain; 4 for 10c; 12 for.....	\$0.30
Medicated Lime Eggs; 12 for.....	.30
Medicated Naptha; each, 5c; 12 for.....	.50
Nest Eggs by mail, 1c each extra.	

**FEED AND WATER DISHES — Galvanized**

Grit and Shell Box, galvanized, No. 0, small, 3 comp.; each..	\$0.50
Grit and Shell Box, galvanized, No. 1, medium, 3 comp.; each	.75
Grit and Shell Box, galvanized, No. 2, large, 2 comp.; each...	1.00
Grit and Shell Box for chicks; 2 comp.; each.....	.35
Straight Front Food and Scrap Hopper, 2 compartments; each	.70
Dry Mash Hopper, curved bottom; 12-qt. size, \$1.00; 18-qt. size .....	1.25
Clark's Dry Mash Feeder, holds 10 qts., hangs; each.....	.85
Clark's Chick Feeder, small, 15 in. long; each.....	.35
Clark's Chick Feeder, medium, 20 in. long; each.....	.50
Hen-Friend Fount, No. 3, brooder size; each.....	.25
Hen-Friend Fount, No. 2, medium size; each.....	.45
Hen-Friend Fount, No. 3, large size; each.....	.60
Atsatt's Sanitary Fount, hangs, 1-gal. size; each.....	.60
Atsatt's Sanitary Fount, hangs, 2-gal. size; each.....	.90
Galvanized Wall Fount, square, drop bottom, 1-gal.; each....	.75
Galvanized Wall Fount, square, drop bottom, 2-gal.; each....	1.00
Atsatt Chick Feeders, capacity 1 qt.; price, each.....	.35
All Rite Jar Holder, wire, brooder size; each.....	.25
Klean Drink Jar Holder, chick size; each.....	.25
Up-to-Date Jar Holder, 5-inch size; each .....	.10
Up-to-Date Jar Holder, 6-inch size; 2 for 25c; each.....	.15
Rabbit Feed Holder, fastens to wall; each.....	.60

**EARTHENWARE DISHES — Cannot Be Mailed**

Jug Fount, ¼-gal. size, for brooder use; each.....	\$0.20
Jug Fount, ½-gal. size, popular size; each .....	.25
Jug Fount, 1-gal. size, large; each.....	.30
2-Piece Jug Fount, easily cleaned, ½-gal.; each.....	.30
2-Piece Jug Fount, easily cleaned, 1-gal.; each.....	.40
Rabbit Feed Dish, round bottom inside; 1-pt. size, each, 10c; 4 for 25c; 12 for.....	.65
Rabbit Feed Dish, round bottom inside; 1-qt. size, each, 10c; 3 for 25c; 12 for.....	.85



**LIVE CHICK SHIPPING BOXES**

Heavy Cardboard, size for 25 chicks, K. D.; each.....	\$0.30
Heavy Cardboard, size for 50 chicks, K. D.; each.....	.40
Heavy Cardboard, size for 100 chicks, K. D.; each.....	.65
Tin Cups for use in coops, common cups; each.....	.05
Cups for exhibition coops, galv., strong; 3 for 50c; each.....	.20

**EXHIBITION COOPS**

The Empire Coops are recognized as the best and most lasting. We have the agency. Ask for new catalog. The following sizes are in stock now:

Style "AA," with wire back, for 1 or 2 birds; each.....	\$4.00
Style "AA," with veneer back, for 1 or 2 birds; each.....	4.25
Style "H," with wire back, for 3 to 5 birds; each.....	6.00
Style "H," with veneer back, for 3 to 5 birds; each.....	6.50
Style "A," with veneer back, 3 compartments; each.....	8.50

**EGG SHIPPING BOXES**

The Anderson, No. 3, 15-egg size; each, 15c; 12 for.....	\$2.00
Anderson, No. 4, 30-egg size; each, 25c; 12 for.....	2.75

Made of heavy corrugated paper for market eggs, butter and dressed poultry.

Egg Boxes; 1 doz. size, each, 10c; 2 doz. size, each, 10c; 4 doz. size, each, 25c; 5 doz. size, each.....	.30
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Butter Boxes; two 1-lb. boxes, per doz., 25c; five 1-lb. boxes, per doz. ....	.50
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Dressed Poultry Boxes; two 2-lb. broilers, per doz., 75c; five 2-lb. broilers, per doz.....	1.00
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For any of above by mail, add postage.

Farmers' Friend Egg Carrier, wooden case, clamp lock, with fillers, complete; 4 doz. size, \$1.00; 8 doz. size, \$1.25; 12 doz. size .....	1.50
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**EGG CARTONS**

"Navajo," plain or stock print, holds 12 eggs, folds; 12 for 20c; 24 for 35c; 50 for 65c; 100 for \$1.25; 250 (original bale) for \$2.75; 1,000 for.....	\$11.00
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"Navajo," blue lined, plain or stock print; 12 for 20c; 24 for 35c; 50 for 75c; 100 for \$1.50; 250 for \$3.00; 1,000 for.....	12.00
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Postage on Cartons by mail extra; 12 weigh 1¼ pounds.

**WATER GLASS EGG PRESERVER**

This is the true Silicate Soda, refined. We put this up in convenient packages. Cannot be mailed.

Pint bottle, enough for 12 doz. eggs, 25c; quart jug, 40c; ½-gallon jug, 75c; gallon jug.....	\$1.25
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**EGG-O-LATUM EGG PRESERVER**

Keeps fresh eggs fresh for one year; per jar, enough for 50 doz. eggs .....	\$0.50
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**GOOD BOOKS FOR POULTRYMEN — All Postpaid**

American Standard of Perfection, latest edition.....	\$2.00
Artificial Incubating and Brooding, 96 pp., illus.....	.50
Asiatics, Brahmas, Cochins and Langshans, 100 pp.....	.50
Bantam Fowl, 68 pp., illus.....	.50
Belgian Hare Guide.....	.25
Chick Book, 80 pp.....	.50
Call of the Hen, latest edition, cloth.....	2.00
Capons for Profit.....	.50
Ducks and Geese, revised edition, 80 pp., illus.....	.75
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Egg Record and Account Book, very useful.....	.25
Leghorns, Brown, White, Buff, Etc., 144 pp.....	1.00
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Rhode Island Reds, illustrated, colored plates.....	.75
Reliable Poultry Remedies, revised, 96 pp.....	.25
Successful Poultry Keeping, 176 pp., illus.....	1.00
Turkeys, Care and Management, new edition, 96 pp.....	.75

### LICE KILLER AND DISINFECTANTS

These Goods Are Not Postpaid Except Where So Stated

Pratt's Lice Killer; medium size, 25c; large size.....	\$0.50
Pratt's Liquid Lice Killer; quart, 35c; 2 quarts, 60c; gallon..	1.00
Pratt's Head Lice Ointment; small tin, 10c; large tin.....	.25
Conkey's Lice Powder; medium size, 25c; large size.....	.50
Conkey's Liquid Lice Killer; quarts, 35c; 2 quarts, 60c; gallon cans .....	1.00
Conkey's Head Lice Ointment; small tube, 10c; large tube. (postpaid) .....	.25
Conkey's Scaly Leg Remedy; in tin box (postpaid).....	.25
Lee's Insect Powder, with sifter top; per can.....	.25
Lee's Lice Killer, liquid; quarts, 35c; 2 quarts, 60c; gallon...	1.00
Nicto-Napo, powder form, in can; each.....	.25
Nicto-Napo, liquid form; quart can, 35c; ½-gal., 60c; 1 gal...	1.00
Fumigating Candles, tin plate with each cake; each.....	.10
Pratt's Poultry Disinfectant; quart can.....	.35c
Pratt's Germ-a-thol, a household disinfectant; per bottle....	.50
Conkey's Nox-i-cide; small can, 35c; medium.....	.60
Chloroleum, Liquid Disinfectant, Lice Killer and also Sheep Dip; 6-oz. bottle, 25c; pint bottle, 40c; quart can, 60c; ½-gallon can, 90c; gallon can.....	1.50
Lee's Dip for disinfecting and dipping animals; ½-gal. can, 75c; 1 gal.....	1.25
Lime for whitewashing poultry house; 10 lbs. for.....	.25

### EGG FOODS AND TONICS

Pratt's Poultry Regulator; 26-oz. pkg., 25c; 4-lb. pkg., 50c; 9-lb. pkg., \$1.00; 12-lb. pail, \$1.25; 25-lb. pail.....	\$2.50
Conkey's Laying Tonic; small size, 25c; medium size, 50c; large size, \$1.00; 12-lb. pail, \$1.60; 25-lb. pail.....	3.00
Conkey's Poultry Tonic; per pkg.....	.25
Lee's Egg Maker, concentrated; per 2-lb. pkg., 25c; 5-lb. pkg., 50c; 12-lb. pail, \$1.25; 25-lb. pail.....	2.50
Sterlingworth Egg Tablets, dissolve; per pkg. (by mail), 25c; large size .....	.50
Blatchford's Egg Mash; 100-lb. bag.....	3.50
More Egg (bulk); per lb., 10c; 3 lbs., 25c; 7 lbs., 50c; 15 lbs..	1.00

### LITTLE CHICK FEED

Blatchford's Milk Mash for Chicks; per 4-lb. carton, 25c; 25-lb. bag .....	\$1.25
Conkey's Starting Food, in packages; each.....	.25
Pratt's Baby Chick Feed; trial size pkg., 10c; 3-lb. pkg., 25c; 6½-lb. pkg., 50c; 15-lb. pkg., \$1.00; 50-lb. sack.....	3.00
For our Little Chick Feed (Hoyt's Mixture), see cover page.	

### POULTRY REMEDIES

Pratt's Roup Cure, pills; small size pkg., 25c; medium size pkg. ....	\$0.50
Pratt's White Diarrhoea Remedy, 25c and.....	.50
Pratt's Chicken Cholera Remedy, 25c and.....	.50
Pratt's Bronchitis Remedy; per pkg.....	.25
All above Pratt's goods are postpaid.	
Conkey's Roup Remedy, powder; 50c and.....	1.00
Conkey's White Diarrhoea Remedy, 25c and.....	.50
Conkey's Cholera Remedy, 25c and.....	.50
Conkey's Bronchitis Remedy; per pkg.....	.50
Conkey's Gape Remedy; per pkg.....	.50



Conkey's Pox Sorehead Remedy; per pkg.....	.50
Conkey's Rheumatic Remedy; per pkg.....	.50
Conkey's Poultry Worm Remedy, 25c and.....	.50
Conkey's Canker Special; per pkg.....	.50

All above Conkey's goods are postpaid.

Haines' Diarrhoea and Cholera Remedy.....	.50
Haines' Roup Remedy, liquid form.....	.50
Haines' Roup Remedy, powder form.....	.50
Haines' Limberneck Remedy .....	.50
Lee's Germozone, Tablets, postpaid .....	.50
Lee's Germozone, Liquid, 50c and \$1.00 per bottle.	

### STOCK FOODS

Pratt's Animal Regulator for Horses and Cattle; 25c, 50c and \$1.00 pkgs.; also 12-lb. pail, \$1.75; 25-lb. pail.....	\$3.00
Select Tankage for Hog Feeding; per cwt., \$2.75. Special price in ton lots.	

### STOCK REMEDIES

Pratt's Condition Powder, 25c and.....	\$0.50
Pratt's Veterinary Colic Remedy; bottle, 50c and.....	1.00
Pratt's Healing Powder, for galls, etc.; 4-oz. size.....	.25
Pratt's Healing Ointment; boxes, 25c and.....	.50
Pratt's Worm Powder, for worms in stock; each.....	.50
Pratt's Heave, Cough and Cold Remedy; each.....	.50
Pratt's Distemper and Pink-Eye Remedy; per bottle.....	.50
Pratt's Peerless Hoof Ointment; per tin box.....	.25
Pratt's Liquid Spavin Remedy; per bottle.....	.50
Pratt's Liniment for Man and Beast, 25c and.....	.50
Pratt's Cow Tonic; per pkg.....	.50
Pratt's Calf Tonic; per pkg.....	.50
Pratt's Bag Ointment, for cows; per box.....	.25

Pratt's Remedies in bottles cannot be mailed. If any other of Pratt's Remedies wanted by mail, add postage.

Bovier's Specific for snuffles in rabbits; per can, 25c; large size .....	.50
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### SUNDRY ARTICLES FOR HORSES AND STOCK

Pratt's Fly Chaser; qts., 35c; 2 qts., 60c; gal.....	\$1.00
Conkey's Fly Knocker; qt., 35c; 2 qts., 60c; gal.....	1.00
Lee's Flyo Curo; qts., 35c; ½-gal., 60c; 1 gal.....	1.00
Hoof Packing; 5 lbs., 25c; 50 lbs., \$2.00; 100 lbs.....	3.50
Bitter-Lick Stock Salt Bricks; per brick.....	.25
Iron Frame Holders for the Bricks; each.....	.20
Columbia Healing Powder; small can, 25c; large size.....	.50
Columbia Gall Cure; small can, 25c; large size.....	.50
Lee's Smoke Flavor, for curing pork, in glass bottles, cannot be mailed; small size, 35c; large size.....	.75
Blatchford's Calf Meal; 25-lb. pkg.....	1.50
Veterinary Curine Salve; pkg.....	.25

### DOG REMEDIES

Spratt's Anti-Vomit, tablets (postpaid).....	\$0.50
Spratt's Constipation Tablets (postpaid).....	.50
Spratt's Digestive Tablets (postpaid).....	.50
Spratt's Distemper Tablets (postpaid).....	.75
Spratt's Dog Vermifuge; per pkg. (postpaid).....	.50
Spratt's Puppy Vermifuge; per pkg. (postpaid).....	.50
Spratt's Mange Remedy; per bottle (not postpaid).....	.50
Spratt's Dog Soap; per cake (postpaid).....	.25

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**1204 Fifteenth Street, Denver, Colorado**

The Pioneer-Haines Seed Co. give no warranty, express or implied, as to description, purity, productivity, or any other matter of any seeds, plants or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

AMOUNT ENCLOSED

Postal Money Order, \$\_\_\_\_\_

**Express Money Order,** \_\_\_\_\_

**Draft.**

**Currency,**

### Postage Stamps.

## SPECIAL NOTICE

Postage at the rate of 5c per pound on Beans, Corn, Peas, Grass Seeds and Onion Sets must be added to amount of ORDER when these goods are wanted by mail. Other seeds priced per packet, ounce, one-fourth pound and pound, are postage - paid unless otherwise mentioned in Catalogue. For parcel post rates see inside front cover.

**Write Your Name and Address in Full, Very Plainly**  
**NO GOODS SENT C. O. D. SEND MONEY WITH ALL ORDERS.**

[illegible]

[illegible]



# USEFUL TABLES

TABLE SHOWING THE NUMBER OF PLANTS OR TREES  
TO THE ACRE AT GIVEN DISTANCE

Dist. Apart	No. Trees	Dist. Apart	No. Trees
1 foot.....	43,500	9 feet.....	537
1½ feet.....	19,360	12 feet.....	302
2 feet.....	10,890	15 feet.....	193
2½ feet.....	6,960	18 feet.....	134
3 feet.....	4,840	21 feet.....	98
4 feet.....	2,632	24 feet.....	75
5 feet.....	1,740	27 feet.....	59
6 feet.....	1,210	38 feet.....	40

QUANTITY OF SEED REQUIRED FOR A GIVEN NUMBER  
OF PLANTS

Asparagus .....	1 oz.	300 plants
Cabbage .....	1 oz.	2,000 plants
Cauliflower .....	1 oz.	2,000 plants
Celery .....	1 oz.	2,500 plants
Leek .....	1 oz.	1,500 plants
Endive .....	1 oz.	3,000 plants
Egg Plant .....	1 oz.	1,000 plants
Lettuce .....	1 oz.	3,000 plants
Pepper .....	1 oz.	1,000 plants
Tomato .....	1 oz.	1,300 plants
Thyme .....	1 oz.	4,000 plants
Sage .....	1 oz.	1,000 plants
Savory .....	1 oz.	2,000 plants
Marjoram .....	1 oz.	1,500 plants
Rhubarb .....	1 oz.	500 plants

WEIGHTS PER BUSHEL AND AMOUNTS OF SEED SOWN TO  
TO THE ACRE

	Lbs. per Bu.	No. Lbs. to Acre
Alfalfa Clover .....	60	20 to 30
Red Clover .....	60	12 to 15
White Clover .....	60	6 to 8
Alsike Clover .....	60	6 to 8
Timothy .....	45	10 to 15
Blue Grass .....	14	30 to 40
Red Top .....	14	20 to 30
Mixed Grasses .....	14	30 to 40
English Rye Grass.....	20	15 to 25
Oats .....	32	32 to 64
Barley .....	48	60 to 90
Corn .....	56	8 to 12
Orchard Grass .....	14	20 to 30
Hungarian .....	48	25 to 35
Common Millet .....	50	25 to 40
German Millet .....	50	25 to 40
Hemp .....	44	35 to 55
Flax .....	56	30 to 40
Buckwheat .....	52	26 to 52
Rye .....	56	60 to 90
Speltz .....	40	80 to 120
Wheat .....	60	60 to 90
Sugar Cane for Fodder.....	50	50 to 100
Peas, Field .....	60	90 to 120
Top Onion Sets.....	28	250 to 300

MATURITY TABLE

Beans, table use.....	40 to 50 days
Beets, table use.....	50 to 70 days
Cabbage, early, for cutting.....	70 to 80 days
Cabbage, late, for cutting.....	100 to 120 days
Carrots, table use.....	60 to 70 days
Celery, table use.....	120 to 140 days
Sweet Corn, table use.....	65 to 80 days
Cucumbers, table use.....	45 to 60 days
Lettuce, table use.....	40 to 50 days
Melons, table use.....	65 to 90 days
Onions, for storage.....	80 to 120 days
Peas, table use.....	50 to 70 days
Radishes, table use.....	25 to 45 days
Tomatoes, table use.....	90 to 100 days
Turnips, for storage.....	65 to 90 days

# POULTRY FOODS and Mixtures

## THE ORIGINAL HOYT'S MIXTURE The Best Balanced Dry Food for Chicks

This is our own formula; beware of imitations. In Hoyt's Mixture we know we have a food far superior to any other chick feed on the market. It is made from the best of seed grain; in fact, every grain that is put in this food would grow if planted. Hoyt's Mixture is a perfect chick food. It contains all the necessary ingredients that a chick needs until it is two months old. Hoyt's Mixture will prevent bowel trouble and all other chick complaints. It is used by almost every poultry raiser in Colorado. We have never had a single complaint against it; everyone pronounces it a wonderful food. Price: 6-lb. pkg., 25c; 14-lb. sack, 50c; 30-lb. sack, \$1.00; 50-lb. sack, \$1.60; 100-lb. sack, \$3.00.

## DEVELOPING FOOD

Has no equal for growing chicks. A mixture of small grains, beef scraps, charcoal and other ingredients for the quick growth of poultry. Should be fed as soon as chicks get too large to eat our Hoyt's Mixture: Price: 7 lbs., 25c; 15 lbs., 50c; 50 lbs., \$1.35; 100 lbs., \$2.50.

## MIXED HEN FEED

This is a balanced food of mixed grains for laying hens. It contains bone, sunflower and mixed grains of different kinds in suitable proportions to promote egg yield. The variety of grains, bone, etc., being of different size, induces fowls to scratch more, and as exercise is necessary to promote digestion they will be kept strong and vigorous. Ask for price.

## EGG MASH

### A Carefully Balanced Mash Food for Eggs and Feather Making

Having had many years' experience in Colorado, we feel that we are familiar with the needs and requirements of our Western poultry breeders, and in offering this mash we know we are offering a high-grade article that gives favorable results. A trial will convince the most skeptical that this food is an egg-producer. Ask for price.

## "MORE EGG"

Is a condition powder for promoting the general health and acting as a gentle stimulant to the egg-producing organs of fowls. It is the best condition powder on the market. Composed of sixteen different ingredients for the purpose of putting the fowls in perfect health and egg-laying condition. This is our own mixture and is highly recommended. Price: 1 lb., 10c; 3 lbs., 25c; 7 lbs., 50c; 15 lbs., \$1.00.

## MISCELLANEOUS GRAINS

Values Fluctuate	Per 50 Lbs.	100 Lbs.
Corn, whole; 8 lbs., 25c; 18 lbs., 50c.....	....	....
Corn, cracked; 8 lbs., 25c; 18 lbs., 50c.....	....	....
Corn Chop; 8 lbs., 25c; 18 lbs., 50c.....	....	....
Kaffir Corn; 8 lbs., 25c; 18 lbs., 50c.....	....	....
Barley; 8 lbs., 25c; 18 lbs., 50c.....	....	....
Rolled Barley; 8 lbs., 25c; 18 lbs., 50c.....	....	....
Bran, clean; 10 lbs., 25c; 27 lbs., 50c.....	....	....
Oats; 8 lbs., 25c; 18 lbs., 50c.....	....	....
Rolled Oats; 7 lbs., 25c; 16 lbs., 50c.....	....	....
Ground Oats; 6 lbs., 25c; 16 lbs., 50c.....	....	....
Steel Cut Oats; 3 lbs., 25c; 7 lbs., 50c.....	....	....
Wheat; 8 lbs., 25c; 18 lbs., 50c.....	....	....
Buckwheat; 4 lbs., 25c; 7 lbs., 50c.....	....	....
Alfalfa Meal; 10 lbs., 25c; 25 lbs., 50c.....	\$ .85	\$1.60
Alfalfa, short cut, less sack lots, 2c lb.....	....	....
Flaxseed Meal, pure; 1 lb., 10c; 10 lbs., 80c.....	....	....
Ground Oil Cake Meal; 5 lbs., 25c; 12 lbs., 50c.....	1.85	3.50
Cottonseed Meal; 5 lbs., 25c; 12 lbs., 50c.....	....	....
Alfalfa Hay, in bales, according to weight.		
Straw, select for poultry; per bale, 35c.		

## MISCELLANEOUS POULTRY GOODS

	Per 50 Lbs.	100 Lbs.
Crushed Oyster Shells; 12 lbs., 25c; 30 lbs., 50c.....	\$ .70	\$1.25
Grit, Gray Granite; 12 lbs., 25c; 30 lbs., 50c.....	.65	1.00
Green Cut Bone, dried; granulated; 7 lbs., 25c.....	1.25	2.40
Green Cut Meat and Bone, dried; 6 lbs., 25c.....	1.25	2.40
Dried Meat, Bone and Blood; 6 lbs., 25c.....	1.60	3.00
Granulated Poultry Bone; 6 lbs., 25c.....	1.60	3.00
Fine Poultry Bone; 6 lbs., 25c.....	1.60	3.00
Meat Meal; 6 lbs., 25c.....	1.60	3.00
Blood Meal; 4 lbs., 25c; 9 lbs., 50c.....	2.10	4.00
High Protein Beef Scraps; 4 lbs., 25c.....	2.10	4.00
Charcoal, coarse, medium and fine; 2-lb. pkg., 15c; 4-lb. pkg., 25c; 10 lbs., 50c.....	1.75	3.50